

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041625\
 Data File : BM049957.D
 Acq On : 16 Apr 2025 18:03
 Operator : RC/JU
 Sample : Q1808-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OILY-SOIL-PILEMSD

Quant Time: Apr 16 18:40:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	369676	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1237619	20.000	ng	-0.01
39) Acenaphthene-d10	14.410	164	766997	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1513554	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1581516	20.000	ng	0.00
86) Perylene-d12	24.403	264	1732464	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1531602	70.353	ng	0.00
7) Phenol-d6	6.951	99	1963013	72.473	ng	0.00
23) Nitrobenzene-d5	8.928	82	1120213	50.403	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	804142	72.080	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	2699268	47.722	ng	-0.01
79) Terphenyl-d14	19.786	244	3881366	45.993	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.252	88	331801	37.008	ng	99
3) Pyridine	3.652	79	886022	37.613	ng	99
4) n-Nitrosodimethylamine	3.558	42	357717	39.903	ng	98
6) Aniline	7.098	93	693846	29.895	ng	100
8) 2-Chlorophenol	7.340	128	909259	40.755	ng	100
9) Benzaldehyde	6.910	77	450756	32.429	ng	99
10) Phenol	6.975	94	1102282	41.702	ng	100
11) bis(2-Chloroethyl)ether	7.193	93	848288	40.925	ng	99
12) 1,3-Dichlorobenzene	7.657	146	1082747	41.049	ng	99
13) 1,4-Dichlorobenzene	7.804	146	1089518	41.051	ng	99
14) 1,2-Dichlorobenzene	8.122	146	1044648	41.788	ng	99
15) Benzyl Alcohol	8.010	79	677425	39.717	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.293	45	972620	42.099	ng	99
17) 2-Methylphenol	8.222	107	689259	42.315	ng	100
18) Hexachloroethane	8.845	117	371699	40.254	ng	96
19) n-Nitroso-di-n-propyla...	8.575	70	598167	39.873	ng	100
20) 3+4-Methylphenols	8.551	107	908212	40.897	ng	98
22) Acetophenone	8.592	105	1208718	40.186	ng	# 99
24) Nitrobenzene	8.969	77	866159	40.473	ng	96
25) Isophorone	9.498	82	1591002	42.732	ng	99
26) 2-Nitrophenol	9.681	139	475156	41.890	ng	98
27) 2,4-Dimethylphenol	9.751	122	763996	59.433	ng	98
28) bis(2-Chloroethoxy)met...	9.975	93	1007527	40.421	ng	99
29) 2,4-Dichlorophenol	10.228	162	862412	40.360	ng	99
30) 1,2,4-Trichlorobenzene	10.428	180	1029854	41.662	ng	99
31) Naphthalene	10.616	128	2515800	39.560	ng	99
32) Benzoic acid	9.892	122	419641	30.190	ng	99
33) 4-Chloroaniline	10.734	127	454385	20.235	ng	98
34) Hexachlorobutadiene	10.898	225	656410	42.929	ng	100
35) Caprolactam	11.510	113	230307	37.580	ng	99
36) 4-Chloro-3-methylphenol	11.869	107	732863	39.155	ng	98
37) 2-Methylnaphthalene	12.228	142	1627295	36.319	ng	99
38) 1-Methylnaphthalene	12.451	142	1707995	39.128	ng	100
40) 1,2,4,5-Tetrachloroben...	12.604	216	1139380	42.462	ng	98
41) Hexachlorocyclopentadiene	12.580	237	1055285	112.235	ng	100
43) 2,4,6-Trichlorophenol	12.845	196	726527	42.550	ng	100

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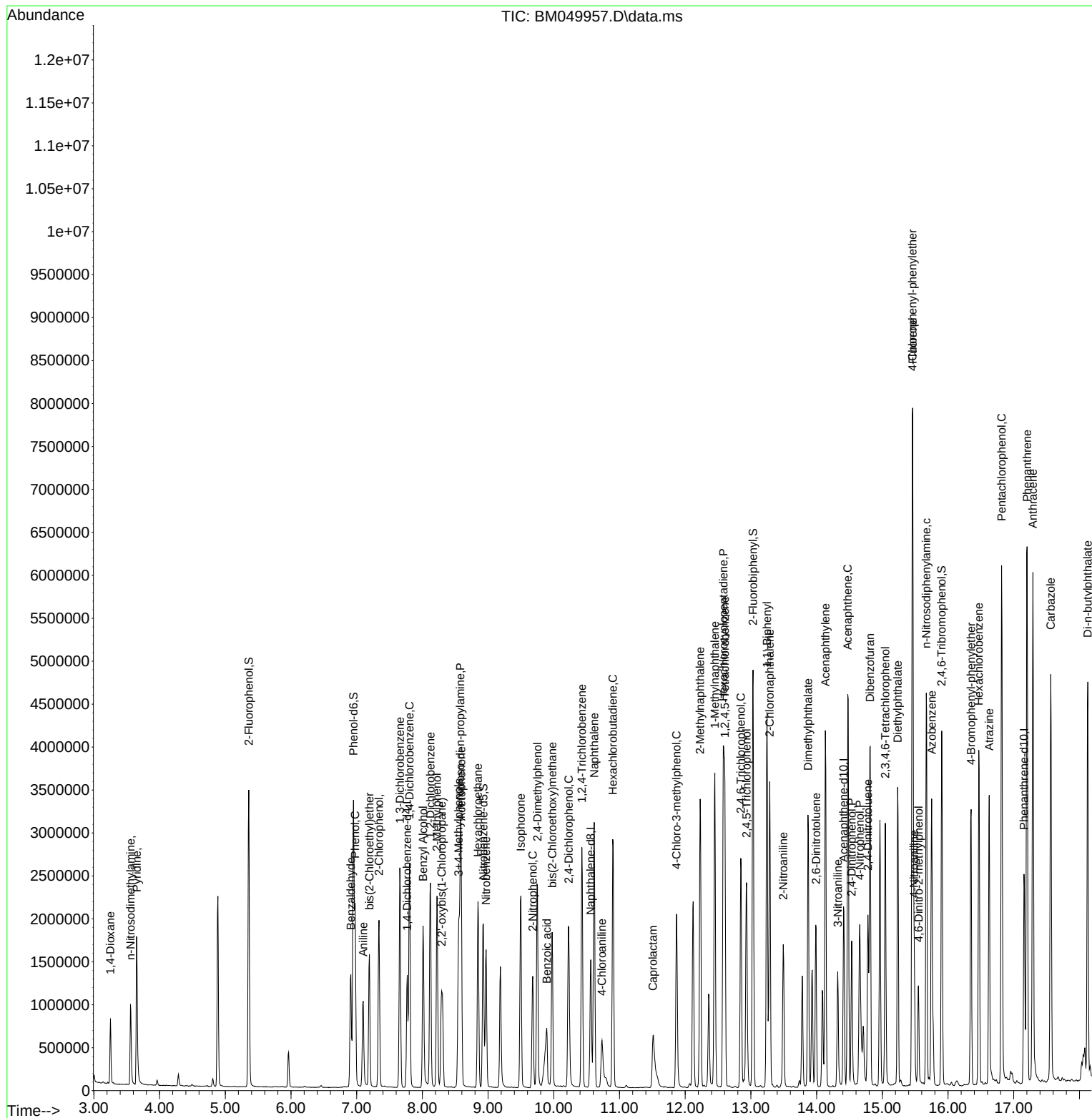
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	784458	42.277	ng	98
46) 1,1'-Biphenyl	13.245	154	2348328	41.187	ng	100
47) 2-Chloronaphthalene	13.286	162	1858097	41.463	ng	99
48) 2-Nitroaniline	13.492	65	440557	42.494	ng	96
49) Acenaphthylene	14.133	152	3001811	45.985	ng	100
50) Dimethylphthalate	13.869	163	2149959	39.733	ng	99
51) 2,6-Dinitrotoluene	13.992	165	471424	41.583	ng	94
52) Acenaphthene	14.474	154	1690361	40.710	ng	99
53) 3-Nitroaniline	14.322	138	379621	34.646	ng	96
54) 2,4-Dinitrophenol	14.533	184	458345	58.011	ng	97
55) Dibenzofuran	14.816	168	2747091	39.576	ng	98
56) 4-Nitrophenol	14.657	139	807322	82.681	ng	100
57) 2,4-Dinitrotoluene	14.780	165	656603	43.414	ng	97
58) Fluorene	15.463	166	2280971	41.340	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.045	232	657445	40.425	ng	97
60) Diethylphthalate	15.233	149	1977276	38.104	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	1209434	40.885	ng	99
62) 4-Nitroaniline	15.486	138	457581	40.382	ng	99
63) Azobenzene	15.751	77	1868965	42.069	ng	97
65) 4,6-Dinitro-2-methylph...	15.551	198	309039	32.402	ng	97
66) n-Nitrosodiphenylamine	15.668	169	1863778	41.148	ng	100
67) 4-Bromophenyl-phenylether	16.351	248	735992	41.888	ng	96
68) Hexachlorobenzene	16.468	284	859631	42.653	ng	98
69) Atrazine	16.627	200	658237	56.048	ng	98
70) Pentachlorophenol	16.815	266	1175579	79.229	ng	99
71) Phenanthrene	17.204	178	4014857	48.384	ng	100
72) Anthracene	17.292	178	3713619	45.413	ng	100
73) Carbazole	17.562	167	3182056	41.314	ng	100
74) Di-n-butylphthalate	18.127	149	3483798	39.270	ng	99
75) Fluoranthene	19.221	202	5911614	57.942	ng	99
77) Benzidine	19.409	184	2155270	102.725	ng	100
78) Pyrene	19.580	202	5867613	53.834	ng	99
80) Butylbenzylphthalate	20.480	149	1606238	39.219	ng	96
81) Benzo(a)anthracene	21.380	228	5295288	50.380	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	1323105	33.334	ng	99
83) Chrysene	21.445	228	4847226	48.508	ng	99
84) Bis(2-ethylhexyl)phtha...	21.303	149	2399707	40.216	ng	97
85) Di-n-octyl phthalate	22.433	149	4184046	40.081	ng	# 100
87) Indeno(1,2,3-cd)pyrene	27.803	276	5924472	45.876	ng	98
88) Benzo(b)fluoranthene	23.462	252	5347993	48.334	ng	99
89) Benzo(k)fluoranthene	23.521	252	4960054	46.259	ng	99
90) Benzo(a)pyrene	24.268	252	5005538	51.482	ng	99
91) Dibenzo(a,h)anthracene	27.850	278	4545734	42.735	ng	99
92) Benzo(g,h,i)perylene	28.868	276	4698084	43.222	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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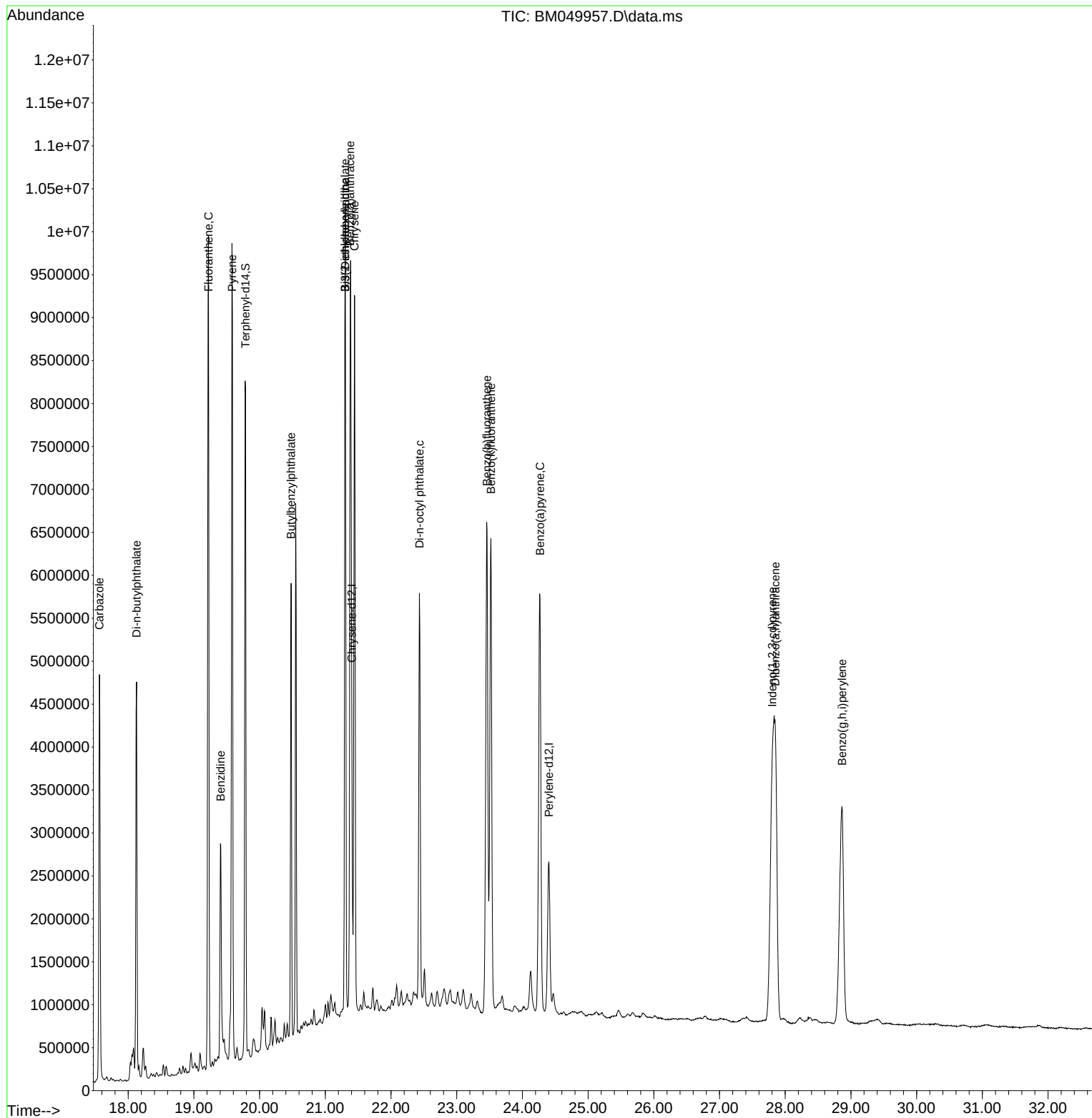
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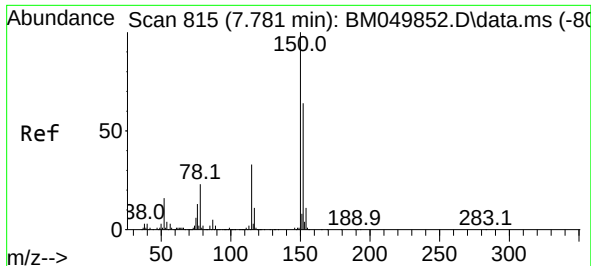


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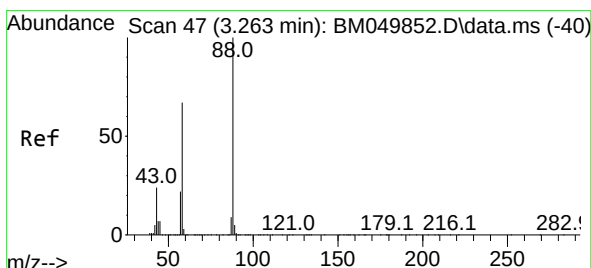
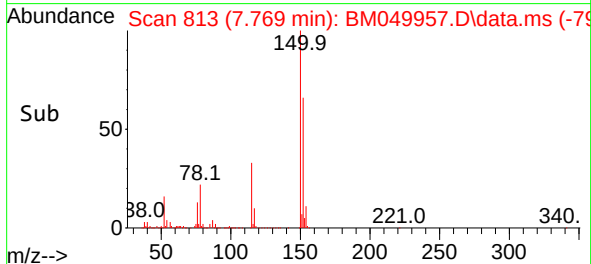
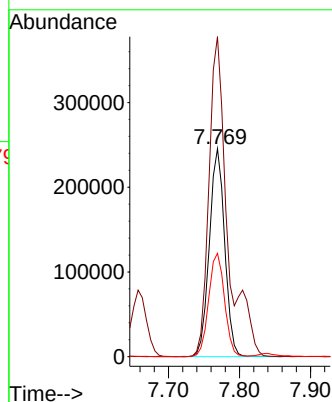
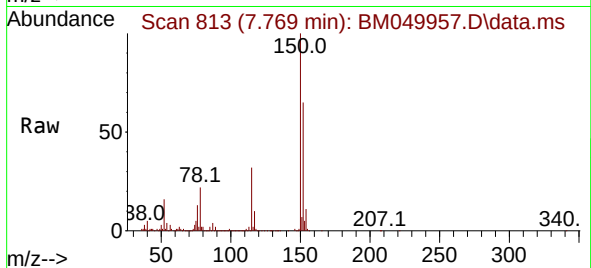




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.769 min Scan# 81
 Delta R.T. -0.012 min
 Lab File: BM049957.D
 Acq: 16 Apr 2025 18:03

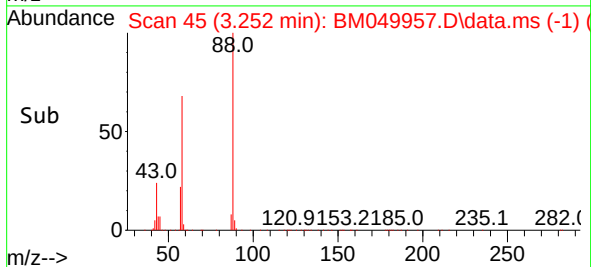
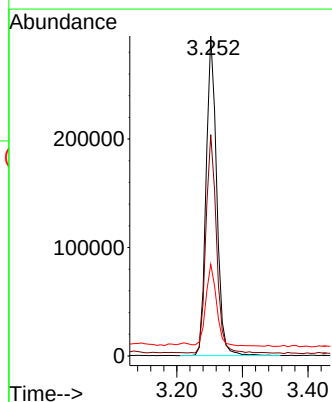
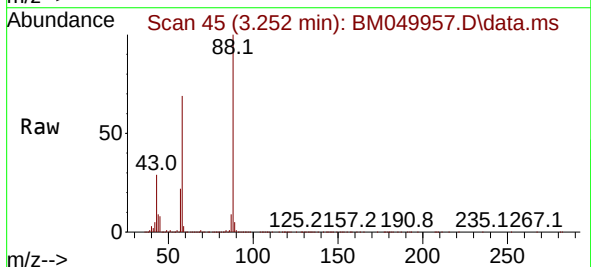
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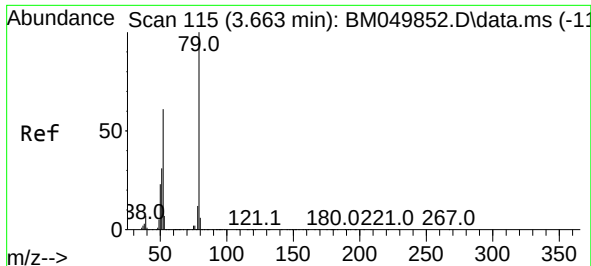
Tgt Ion:152 Resp: 369676
 Ion Ratio Lower Upper
 152 100
 150 153.9 124.3 186.5
 115 49.7 41.1 61.7



#2
 1,4-Dioxane
 Concen: 37.008 ng
 RT: 3.252 min Scan# 45
 Delta R.T. -0.012 min
 Lab File: BM049957.D
 Acq: 16 Apr 2025 18:03

Tgt Ion: 88 Resp: 331801
 Ion Ratio Lower Upper
 88 100
 58 68.3 54.1 81.1
 43 26.1 20.2 30.4

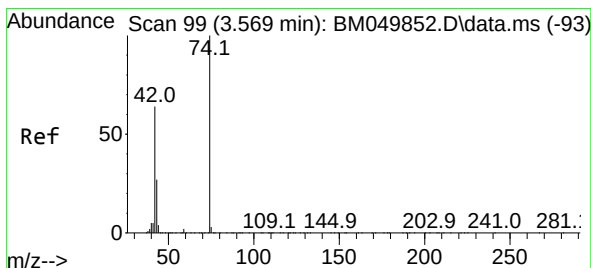
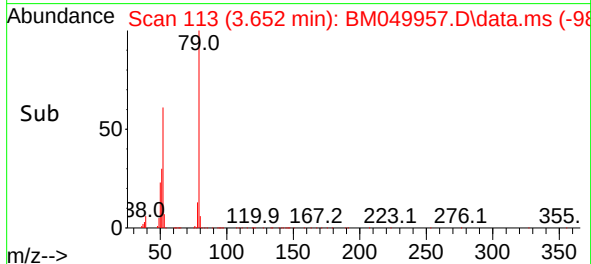
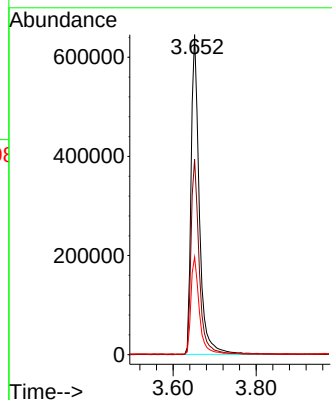
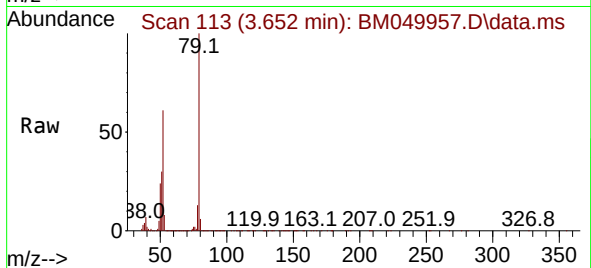




#3
Pyridine
Concen: 37.613 ng
RT: 3.652 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

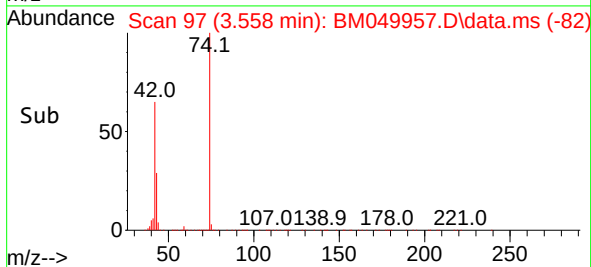
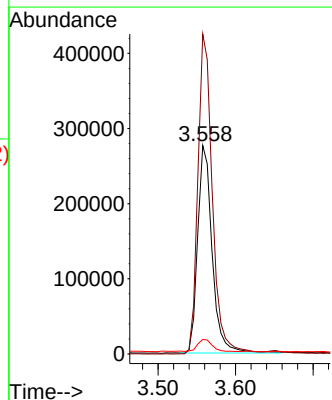
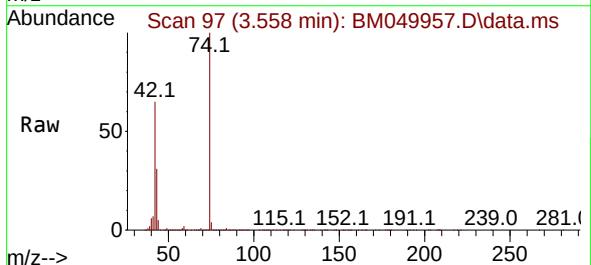
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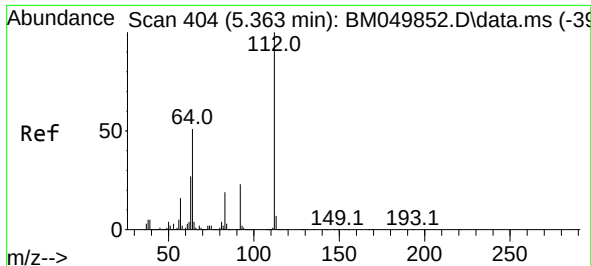
Tgt Ion: 79 Resp: 886022
Ion Ratio Lower Upper
79 100
52 61.1 48.9 73.3
51 30.5 25.0 37.6



#4
n-Nitrosodimethylamine
Concen: 39.903 ng
RT: 3.558 min Scan# 97
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion: 42 Resp: 357717
Ion Ratio Lower Upper
42 100
74 153.5 125.4 188.2
44 7.0 5.9 8.9

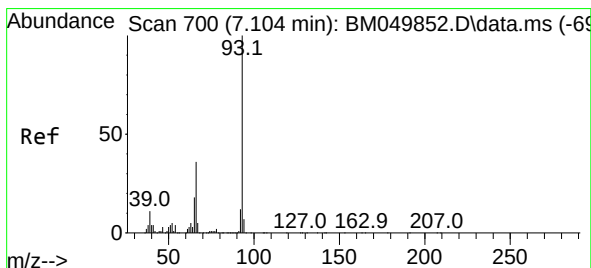
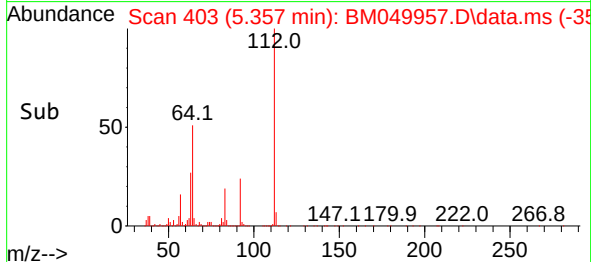
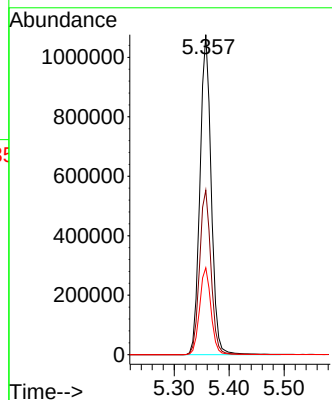
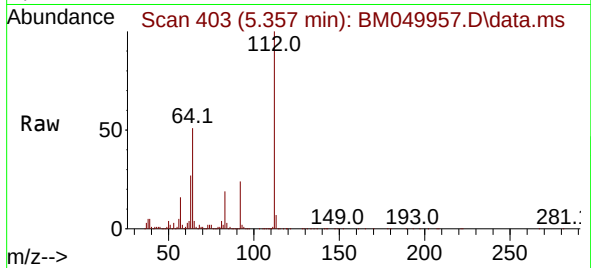




#5
2-Fluorophenol
Concen: 70.353 ng
RT: 5.357 min Scan# 404
Delta R.T. -0.006 min
Lab File: BM049957.D
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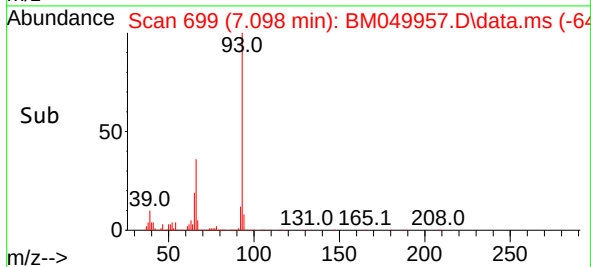
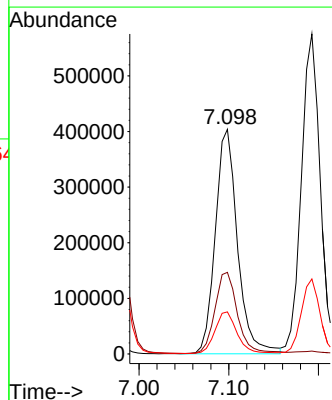
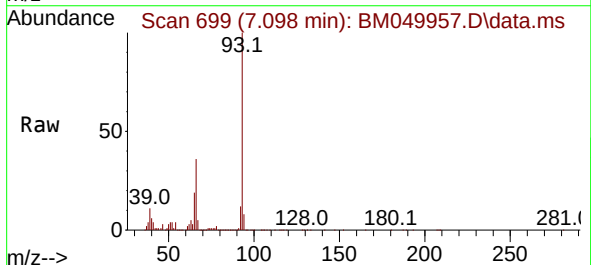
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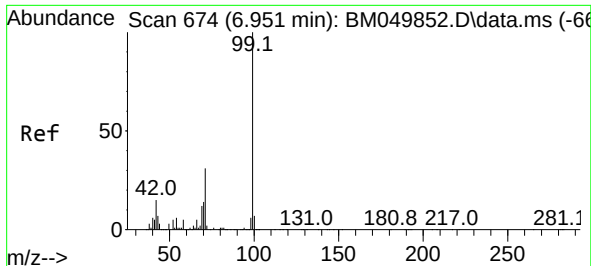
Tgt Ion:112 Resp: 1531602
Ion Ratio Lower Upper
112 100
64 51.4 41.0 61.6
63 27.1 21.5 32.3



#6
Aniline
Concen: 29.895 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion: 93 Resp: 693846
Ion Ratio Lower Upper
93 100
66 36.3 29.1 43.7
65 18.7 14.9 22.3



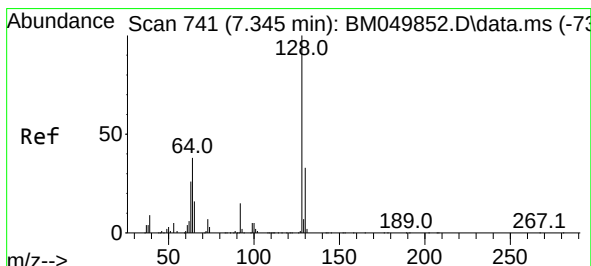
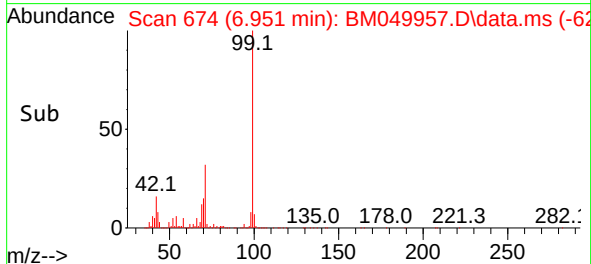
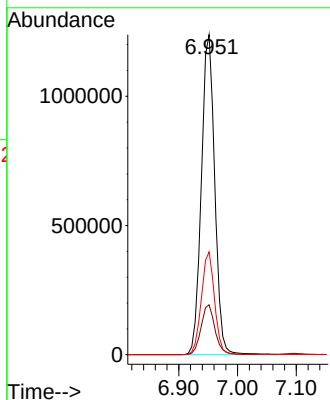
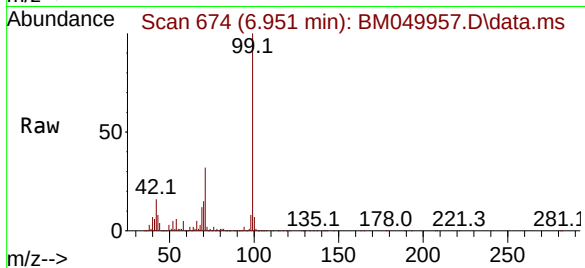


#7
Phenol-d6
Concen: 72.473 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049957.D
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Tgt Ion: 99 Resp: 1963013

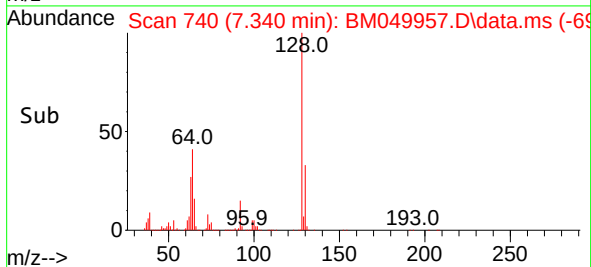
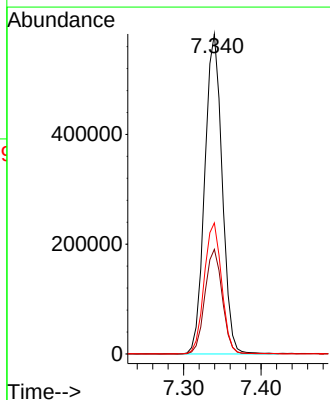
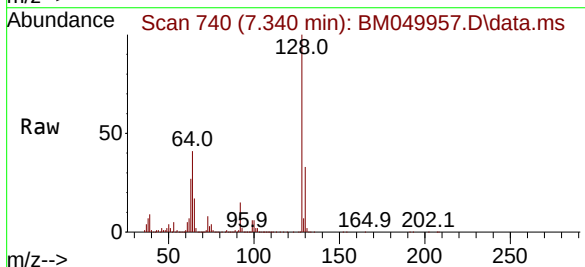
Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.1	18.1
71	32.1	24.9	37.3

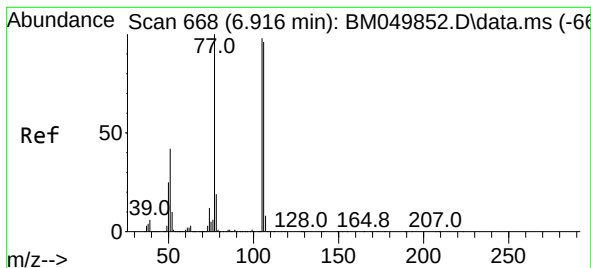


#8
2-Chlorophenol
Concen: 40.755 ng
RT: 7.340 min Scan# 740
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion: 128 Resp: 909259

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	40.9	21.1	61.1





#9

Benzaldehyde

Concen: 32.429 ng

RT: 6.910 min Scan# 6

Delta R.T. -0.006 min

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BNA_M

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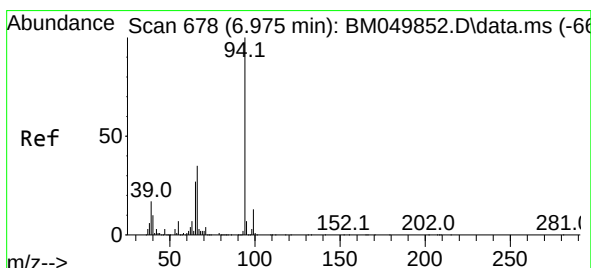
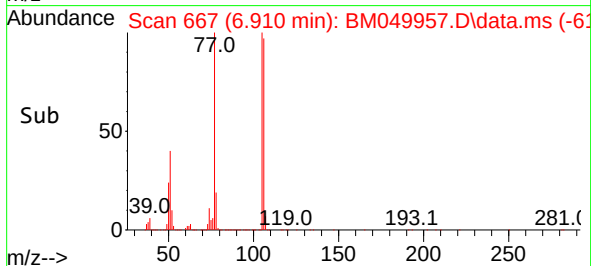
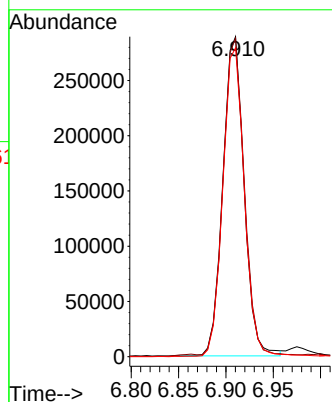
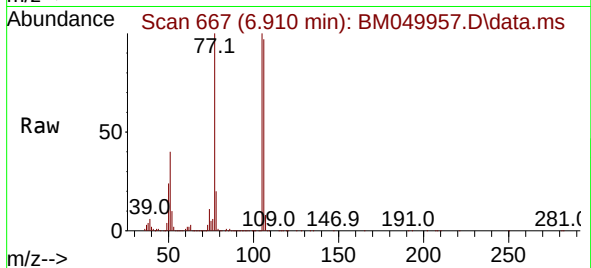
Tgt Ion: 77 Resp: 450756

Ion Ratio Lower Upper

77 100

105 99.5 78.3 118.3

106 96.5 76.0 116.0



#10

Phenol

Concen: 41.702 ng

RT: 6.975 min Scan# 678

Delta R.T. 0.000 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

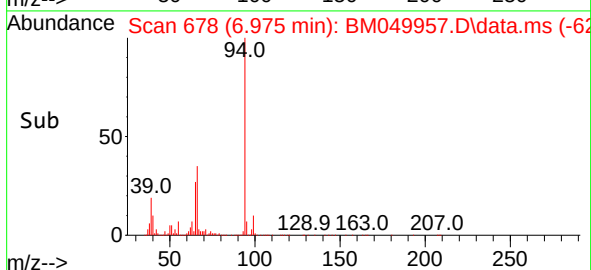
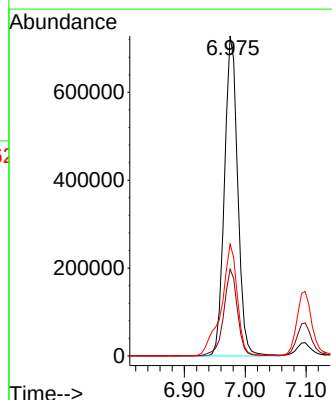
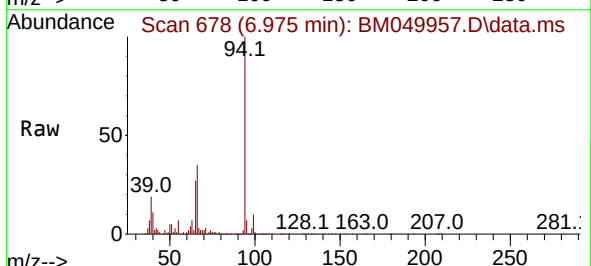
Tgt Ion: 94 Resp: 1102282

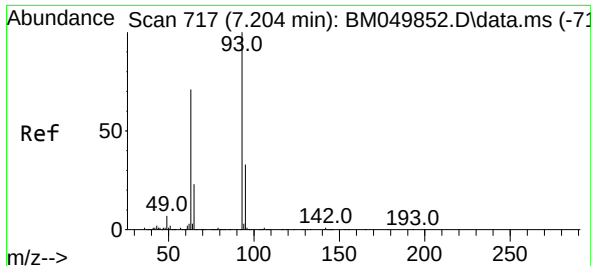
Ion Ratio Lower Upper

94 100

65 27.1 7.3 47.3

66 35.0 14.8 54.8

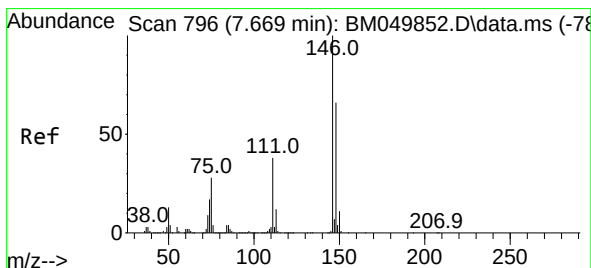
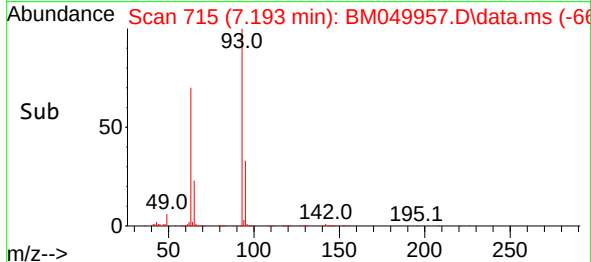
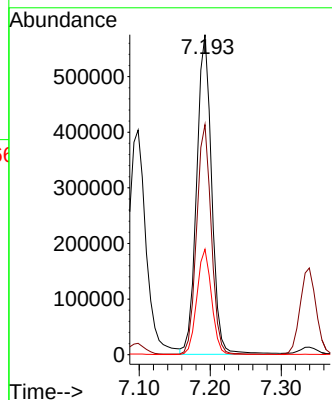
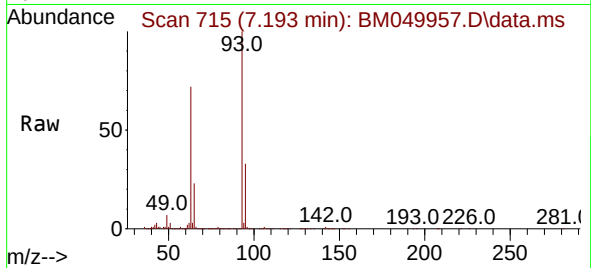




#11
bis(2-Chloroethyl)ether
Concen: 40.925 ng
RT: 7.193 min Scan# 715
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

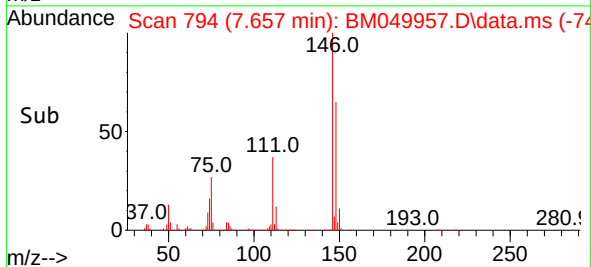
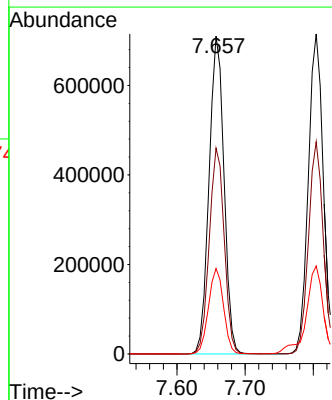
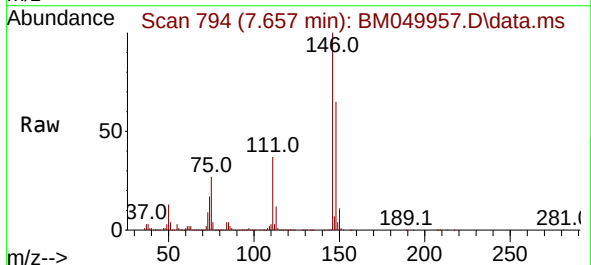
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

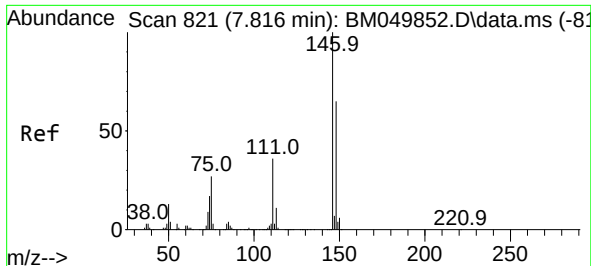
Tgt Ion: 93 Resp: 848288
Ion Ratio Lower Upper
93 100
63 71.9 50.9 90.9
95 32.9 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 41.049 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion: 146 Resp: 1082747
Ion Ratio Lower Upper
146 100
148 64.8 52.5 78.7
75 26.9 22.5 33.7

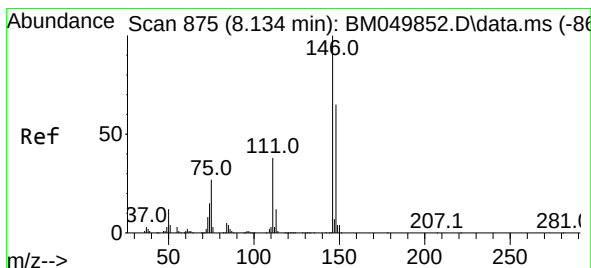
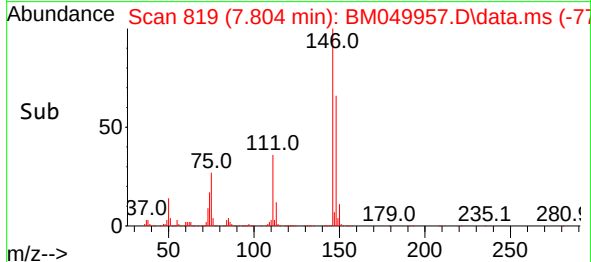
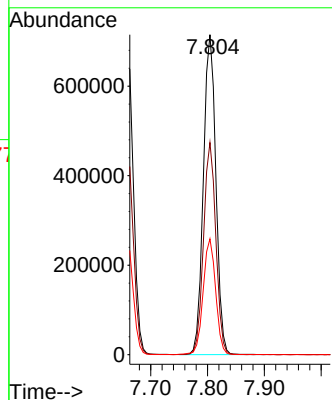
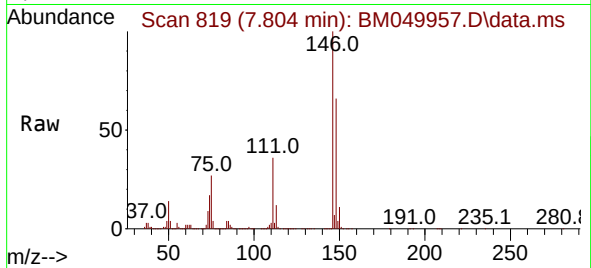




#13
1,4-Dichlorobenzene
Concen: 41.051 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

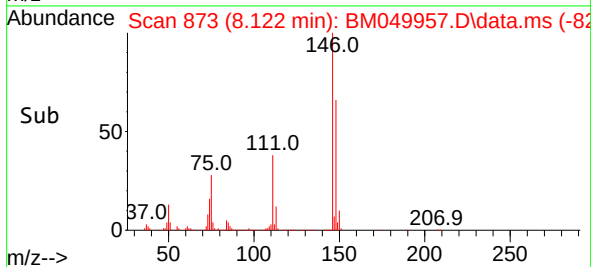
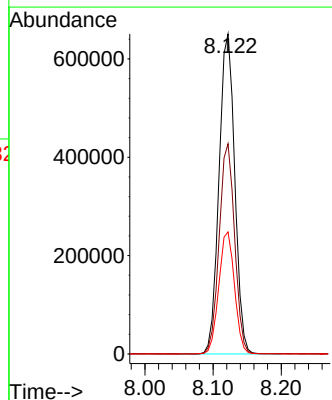
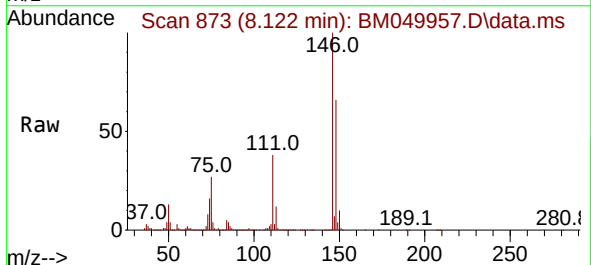
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

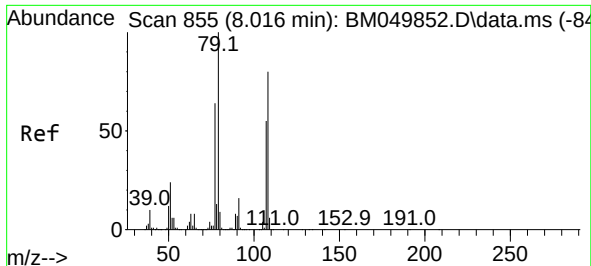
Tgt Ion:146 Resp: 1089518
Ion Ratio Lower Upper
146 100
148 66.3 52.4 78.6
111 36.2 28.5 42.7



#14
1,2-Dichlorobenzene
Concen: 41.788 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:146 Resp: 1044648
Ion Ratio Lower Upper
146 100
148 65.7 51.8 77.8
111 38.1 30.2 45.4

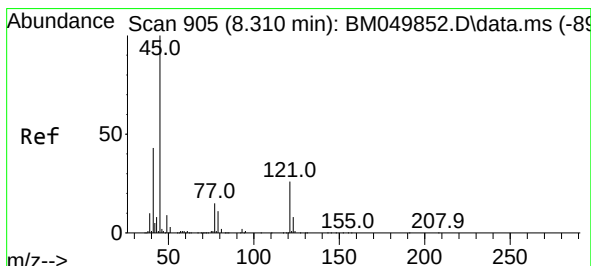
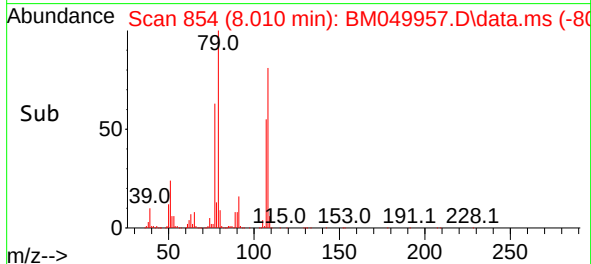
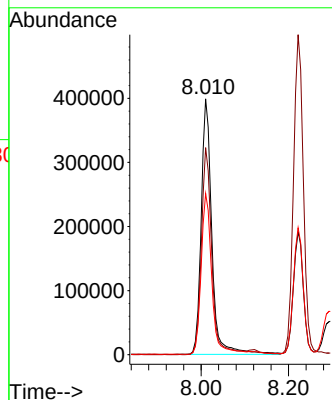
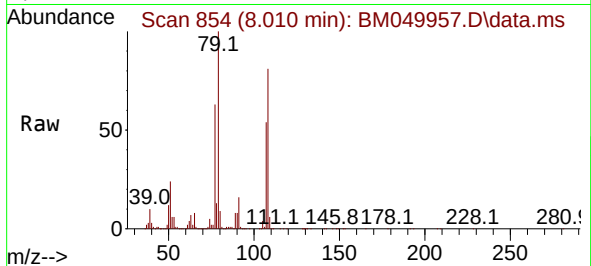




#15
Benzyl Alcohol
Concen: 39.717 ng
RT: 8.010 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

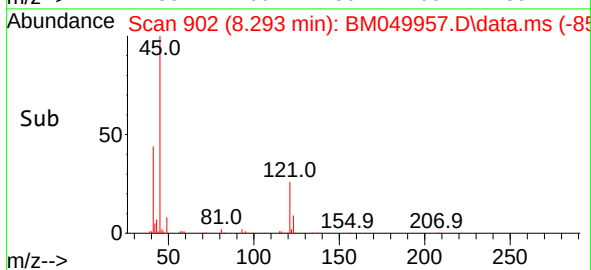
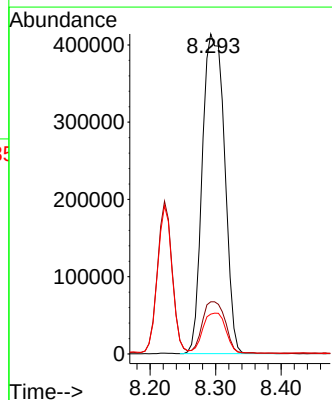
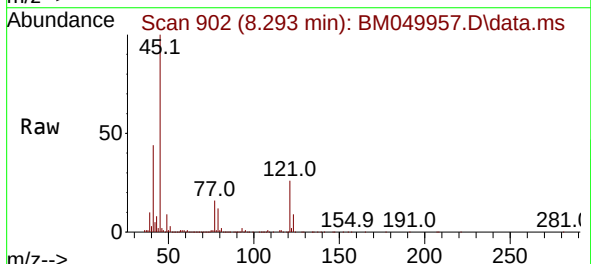
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

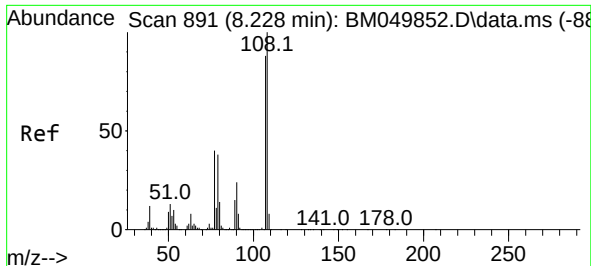
Tgt Ion: 79 Resp: 677425
Ion Ratio Lower Upper
79 100
108 81.0 63.6 95.4
77 63.0 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.099 ng
RT: 8.293 min Scan# 902
Delta R.T. -0.018 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion: 45 Resp: 972620
Ion Ratio Lower Upper
45 100
77 16.3 0.0 36.9
79 12.4 0.0 32.9

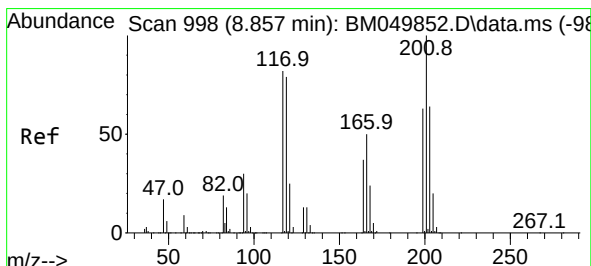
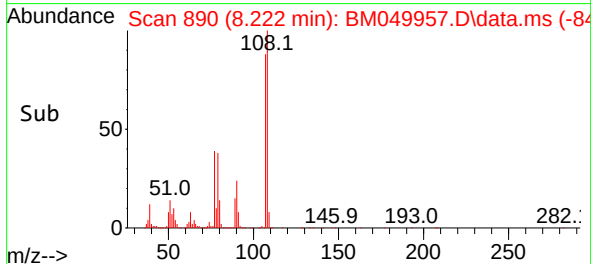
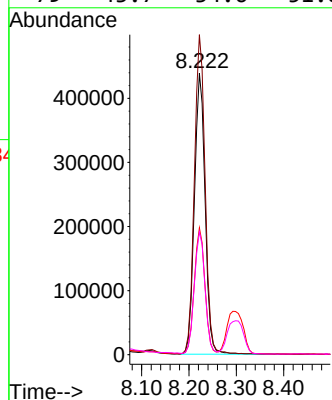
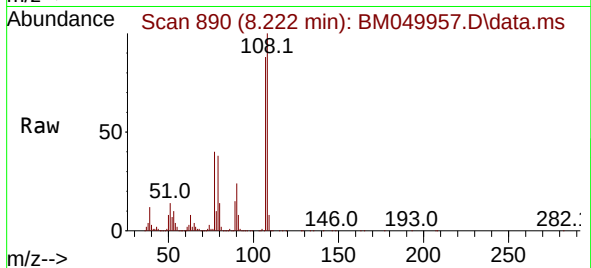




#17
2-Methylphenol
Concen: 42.315 ng
RT: 8.222 min Scan# 891
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

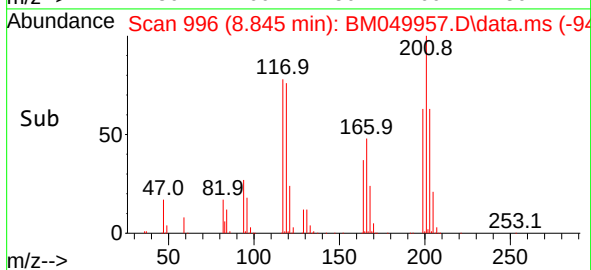
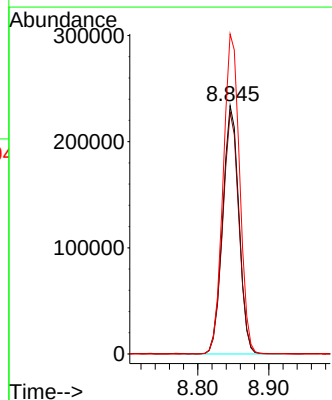
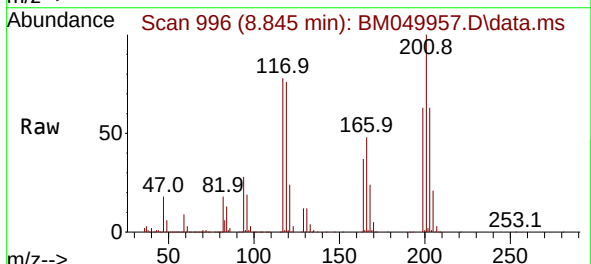
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

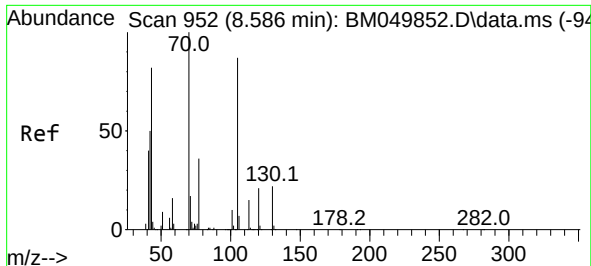
Tgt Ion:107 Resp: 689259
Ion Ratio Lower Upper
107 100
108 113.7 91.0 136.6
77 45.1 36.5 54.7
79 43.7 34.6 51.8



#18
Hexachloroethane
Concen: 40.254 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:117 Resp: 371699
Ion Ratio Lower Upper
117 100
119 97.4 77.5 116.3
201 128.9 97.7 146.5

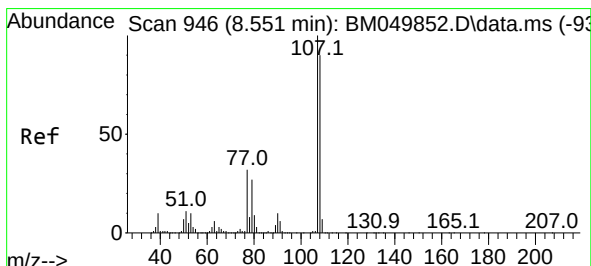
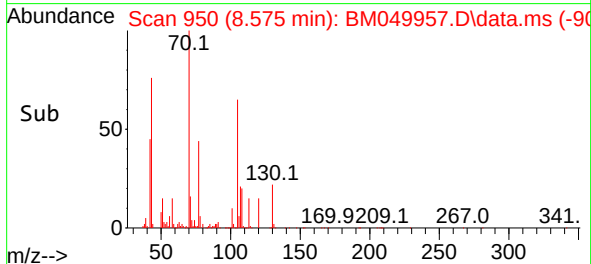
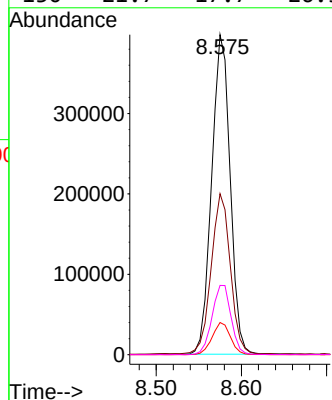
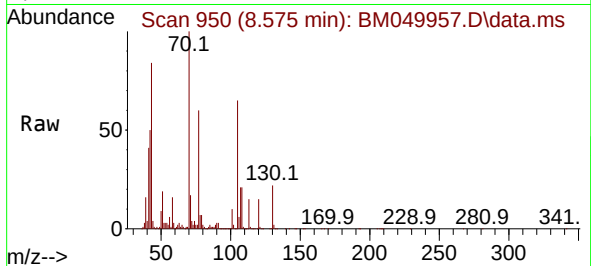




#19
n-Nitroso-di-n-propylamine
Concen: 39.873 ng
RT: 8.575 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

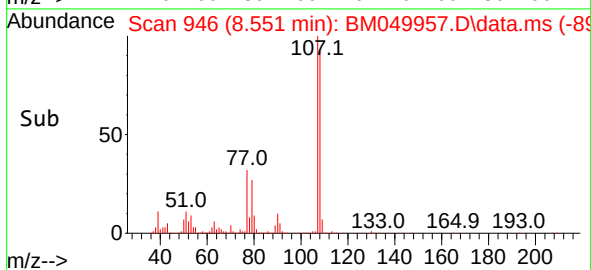
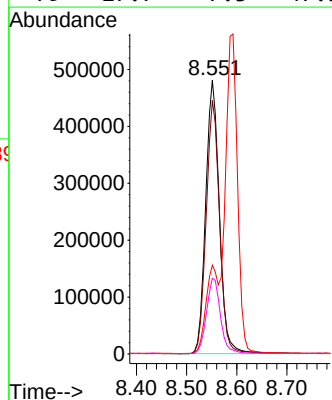
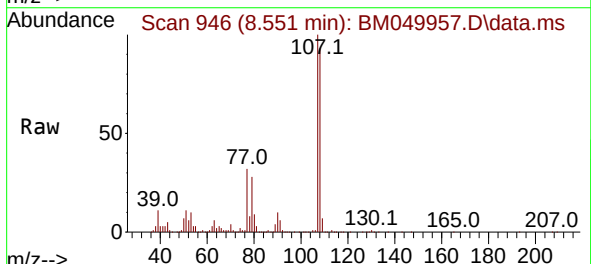
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

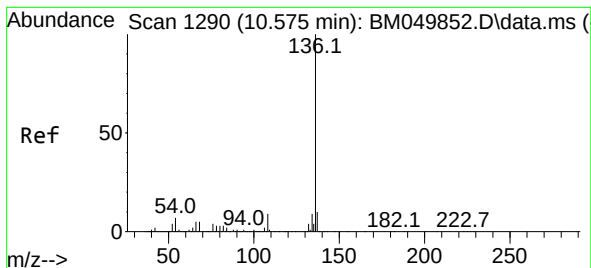
Tgt Ion: 70 Resp: 598167
Ion Ratio Lower Upper
70 100
42 50.3 40.2 60.2
101 10.1 7.9 11.9
130 21.7 17.7 26.5



#20
3+4-Methylphenols
Concen: 40.897 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion: 107 Resp: 908212
Ion Ratio Lower Upper
107 100
108 92.6 69.6 109.6
77 32.4 11.7 51.7
79 27.7 7.3 47.3

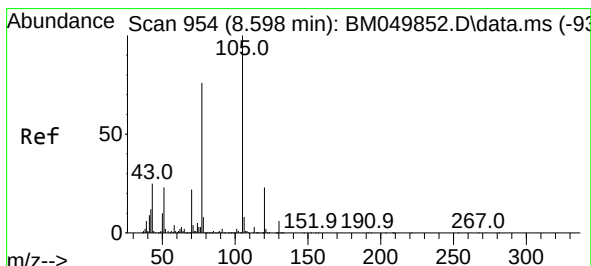
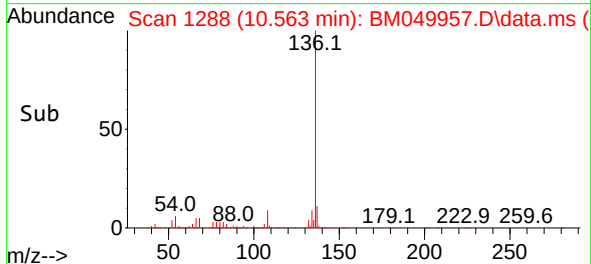
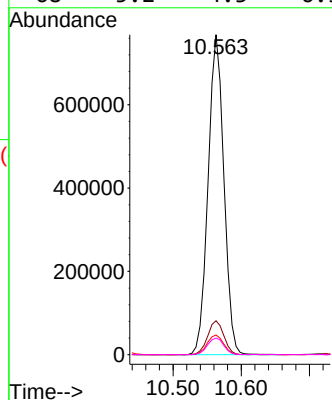
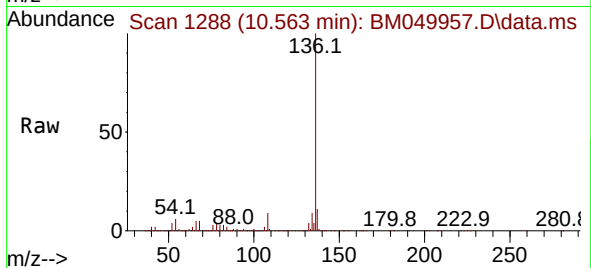




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

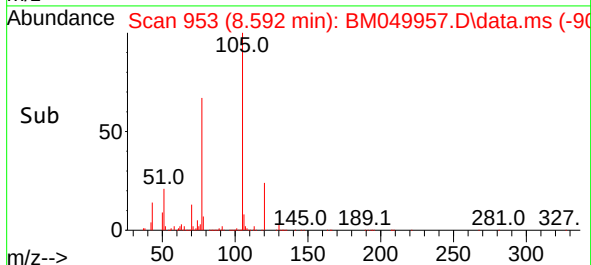
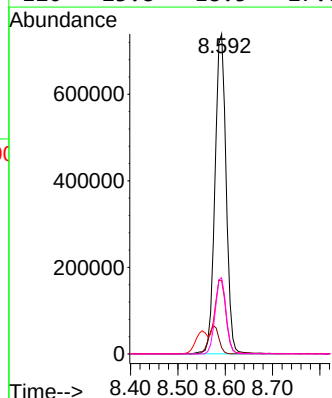
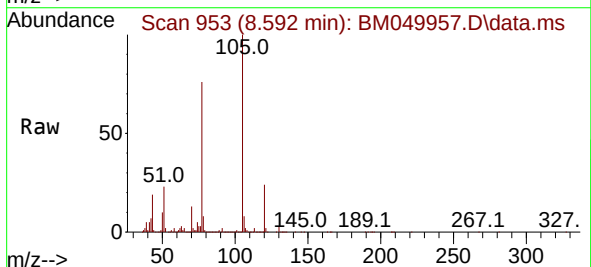
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

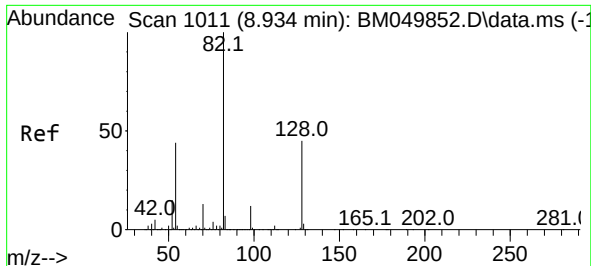
Tgt Ion:136 Resp: 1237619
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 6.2 5.3 7.9
68 5.2 4.3 6.5



#22
Acetophenone
Concen: 40.186 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:105 Resp: 1208718
Ion Ratio Lower Upper
105 100
71 2.0 3.0 4.4#
51 22.9 18.6 27.8
120 23.8 18.5 27.7

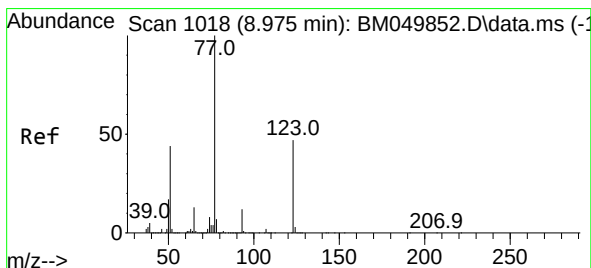
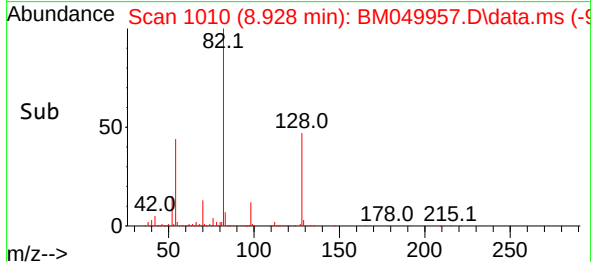
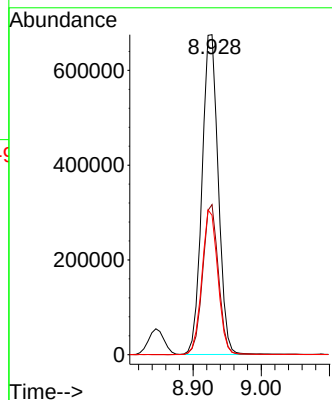
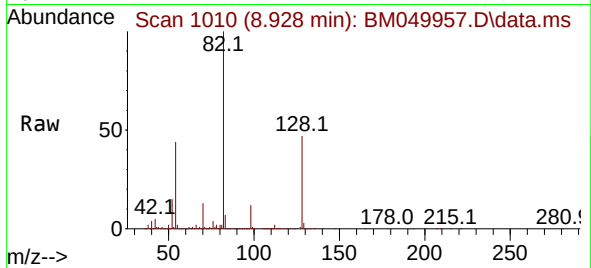




#23
Nitrobenzene-d5
Concen: 50.403 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

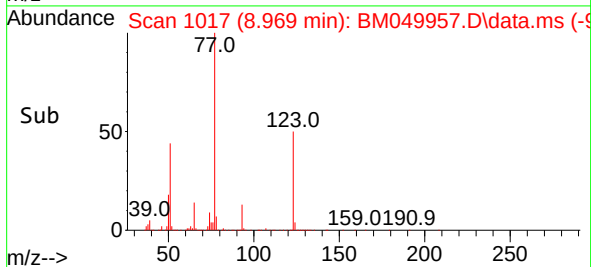
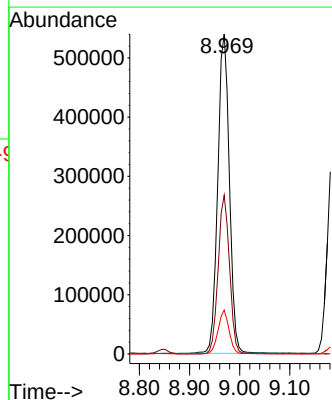
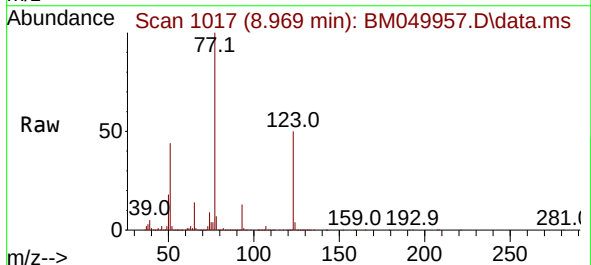
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

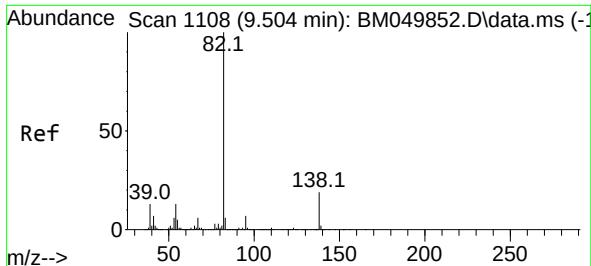
Tgt Ion: 82 Resp: 1120213
Ion Ratio Lower Upper
82 100
128 46.9 36.2 54.2
54 43.6 35.0 52.6



#24
Nitrobenzene
Concen: 40.473 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion: 77 Resp: 866159
Ion Ratio Lower Upper
77 100
123 49.6 37.4 56.2
65 13.7 10.1 15.1





#25

Isophorone

Concen: 42.732 ng

RT: 9.498 min Scan# 1107

Delta R.T. -0.006 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMSD

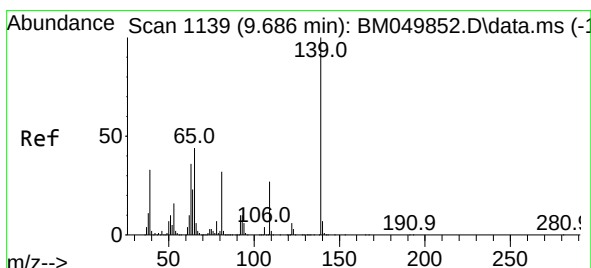
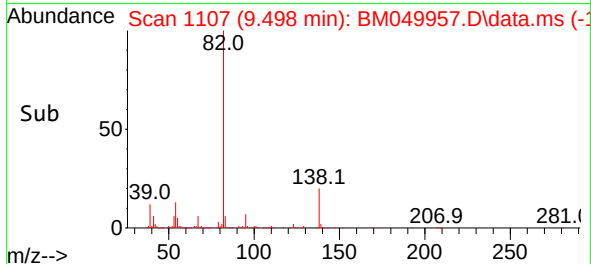
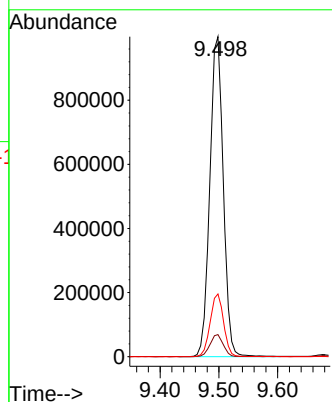
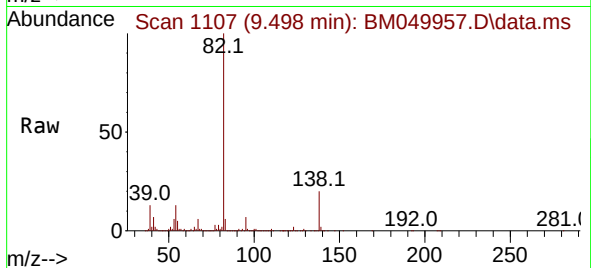
Tgt Ion: 82 Resp: 1591002

Ion Ratio Lower Upper

82 100

95 6.9 5.4 8.2

138 19.6 15.0 22.6



#26

2-Nitrophenol

Concen: 41.890 ng

RT: 9.681 min Scan# 1138

Delta R.T. -0.006 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

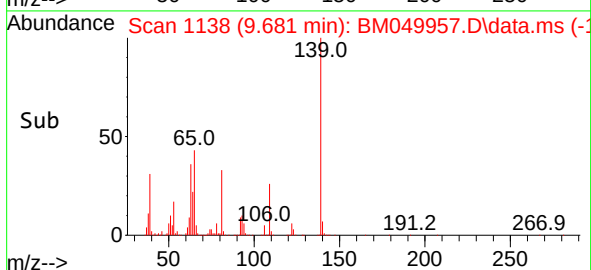
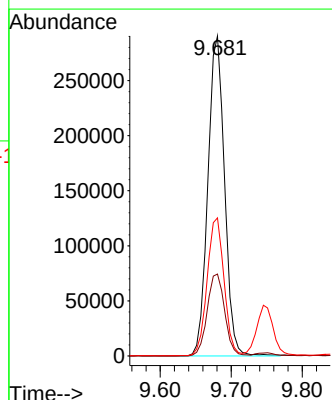
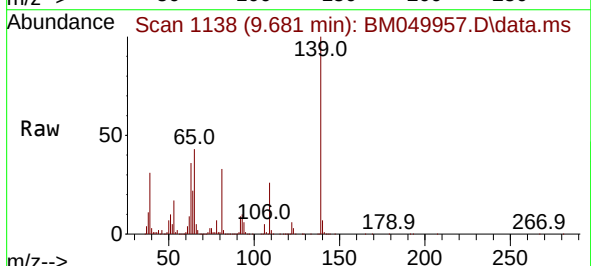
Tgt Ion:139 Resp: 475156

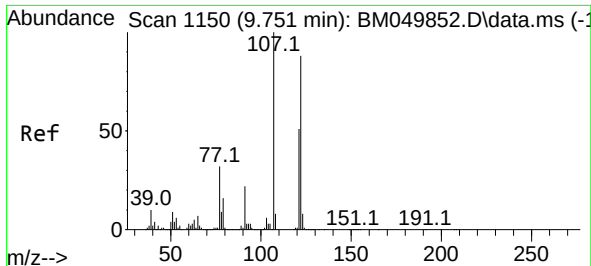
Ion Ratio Lower Upper

139 100

109 25.6 21.7 32.5

65 43.1 35.2 52.8

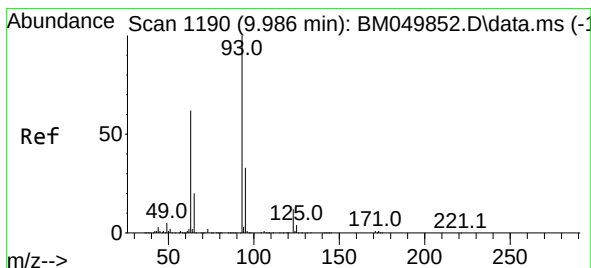
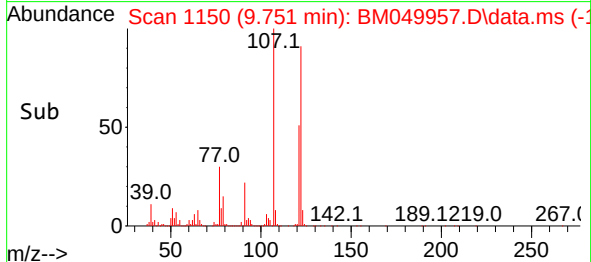
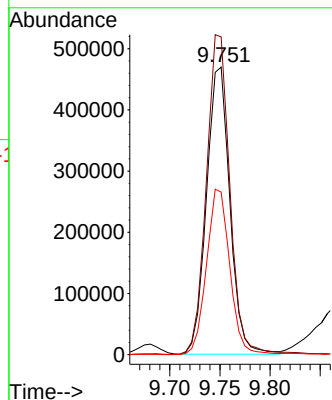
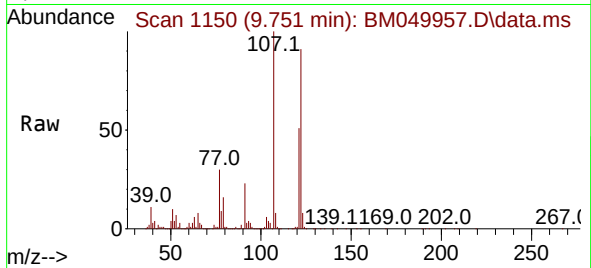




#27
2,4-Dimethylphenol
Concen: 59.433 ng
RT: 9.751 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

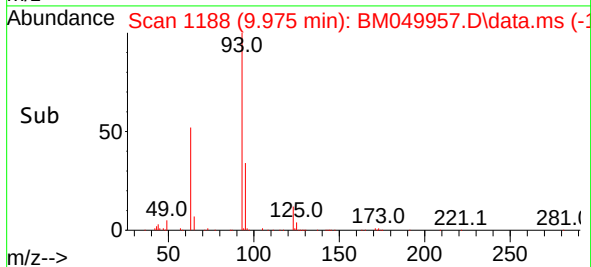
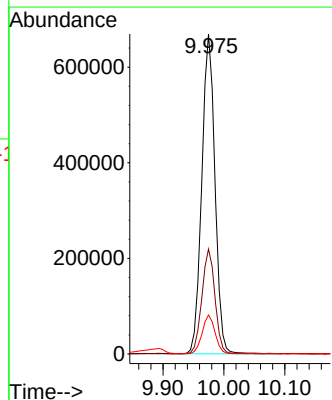
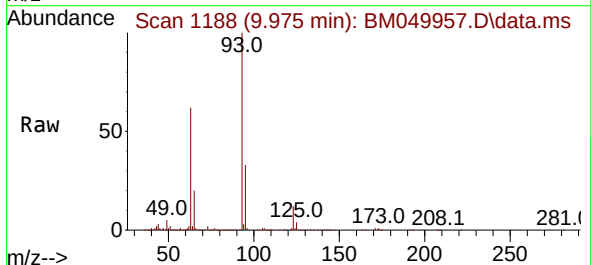
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

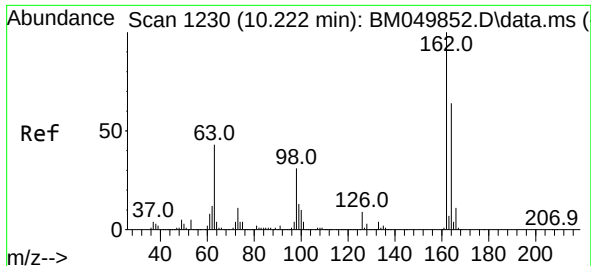
Tgt Ion:122 Resp: 763996
Ion Ratio Lower Upper
122 100
107 110.5 90.3 135.5
121 56.5 46.1 69.1



#28
bis(2-Chloroethoxy)methane
Concen: 40.421 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion: 93 Resp: 1007527
Ion Ratio Lower Upper
93 100
95 32.8 26.6 40.0
123 12.2 9.5 14.3

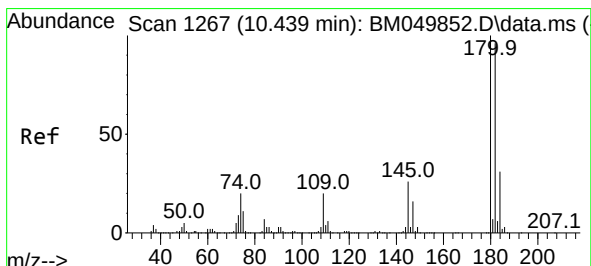
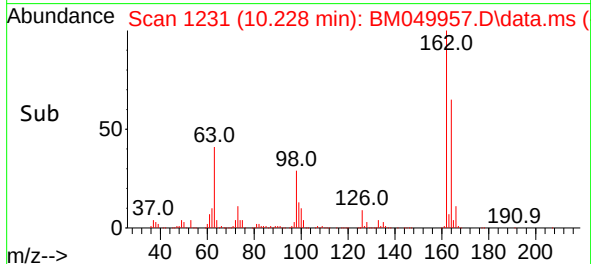
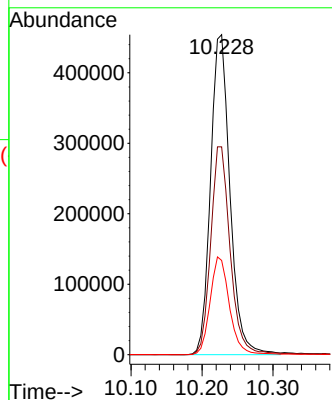
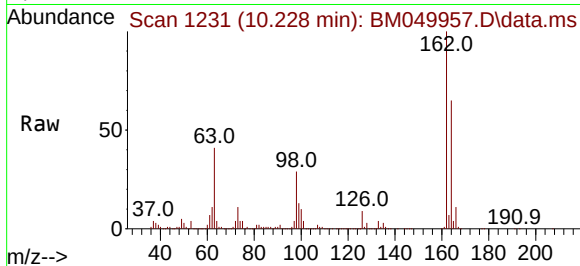




#29
2,4-Dichlorophenol
Concen: 40.360 ng
RT: 10.228 min Scan# 1230
Delta R.T. 0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

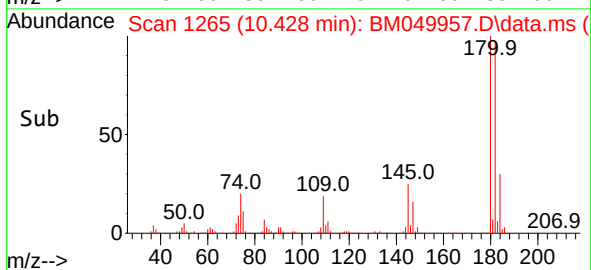
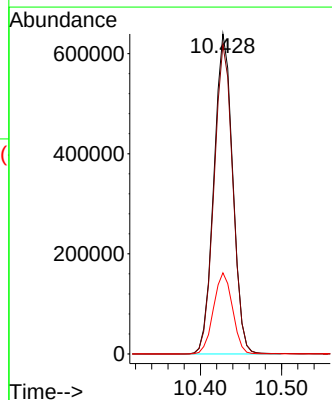
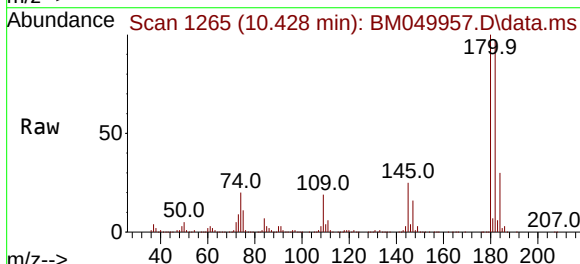
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

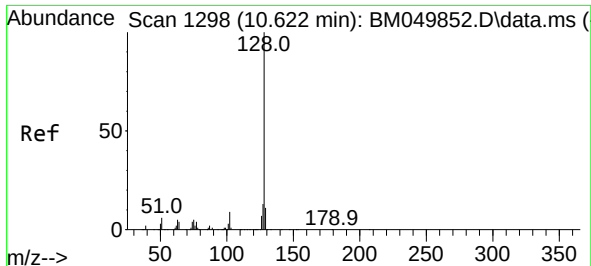
Tgt Ion:162 Resp: 862412
Ion Ratio Lower Upper
162 100
164 65.0 44.3 84.3
98 29.5 10.9 50.9



#30
1,2,4-Trichlorobenzene
Concen: 41.662 ng
RT: 10.428 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:180 Resp: 1029854
Ion Ratio Lower Upper
180 100
182 96.7 76.7 115.1
145 25.3 20.8 31.2

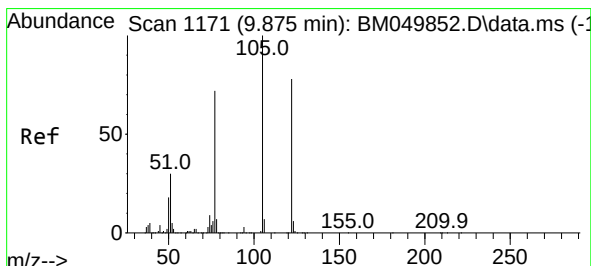
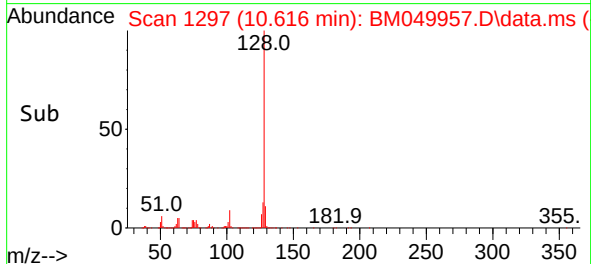
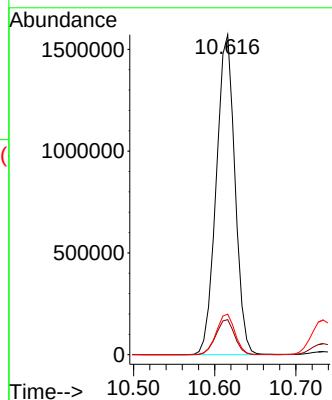
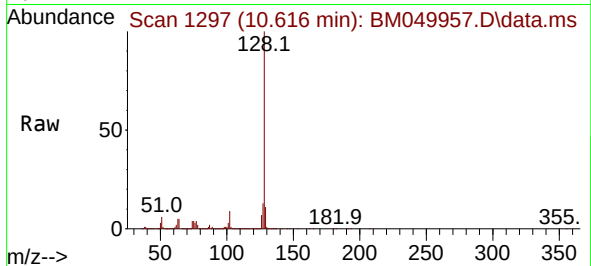




#31
Naphthalene
Concen: 39.560 ng
RT: 10.616 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

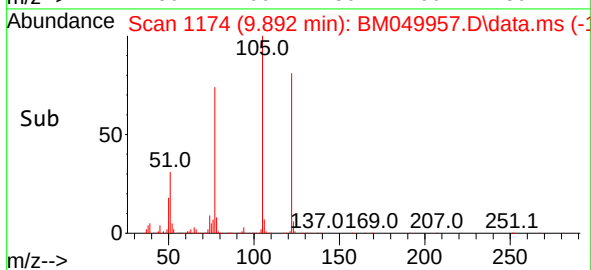
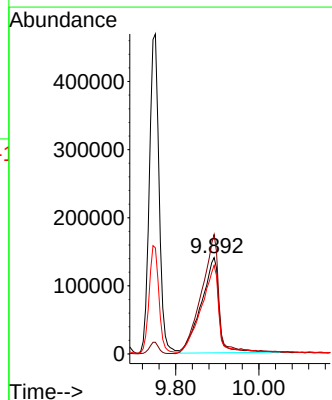
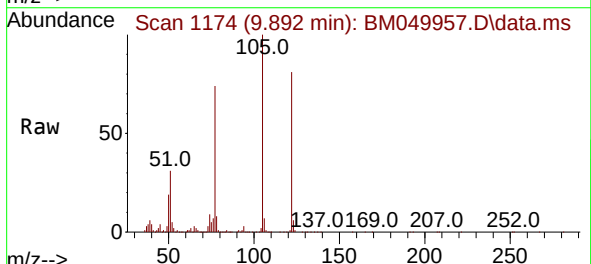
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

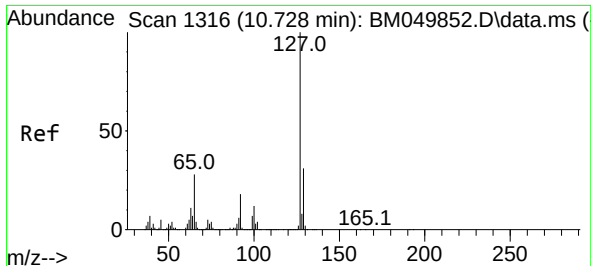
Tgt Ion:128 Resp: 2515800
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.7 10.6 15.8



#32
Benzoic acid
Concen: 30.190 ng
RT: 9.892 min Scan# 1174
Delta R.T. 0.017 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:122 Resp: 419641
Ion Ratio Lower Upper
122 100
105 124.0 103.8 143.8
77 92.0 70.7 110.7

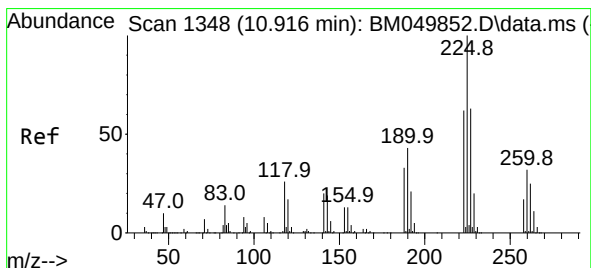
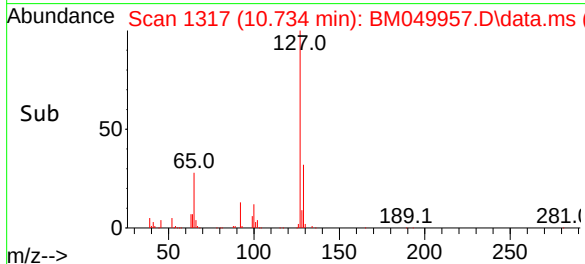
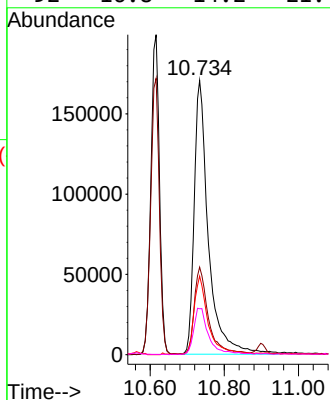
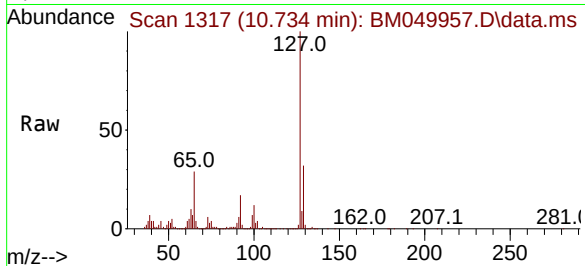




#33
4-Chloroaniline
Concen: 20.235 ng
RT: 10.734 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

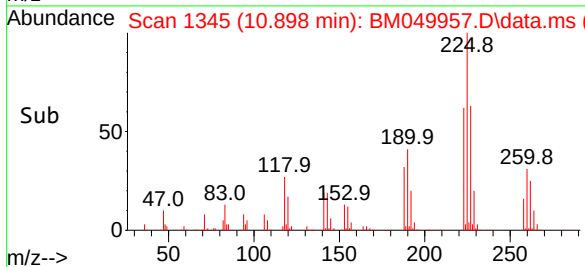
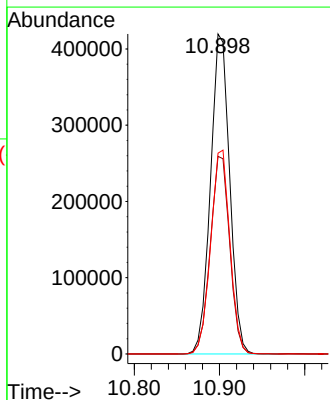
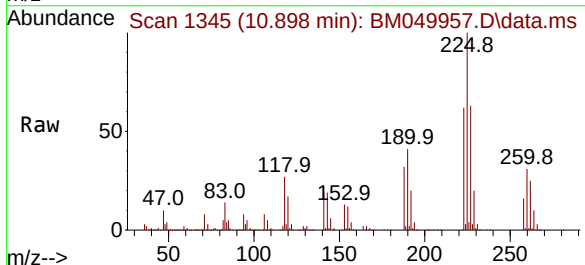
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

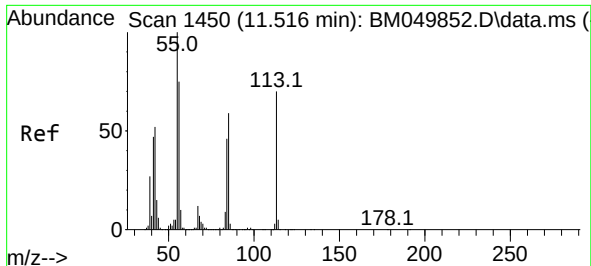
Tgt Ion:	127	Resp:	454385
Ion	Ratio	Lower	Upper
127	100		
129	31.9	24.9	37.3
65	28.7	22.4	33.6
92	16.8	14.2	21.4



#34
Hexachlorobutadiene
Concen: 42.929 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.018 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:	225	Resp:	656410
Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.4	74.2
227	62.8	50.1	75.1

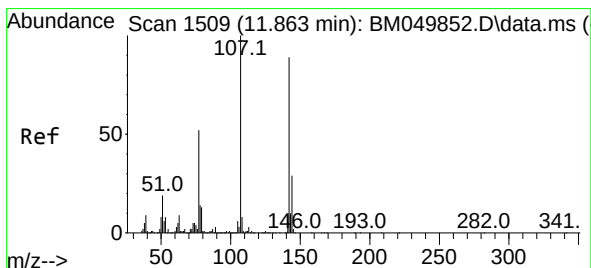
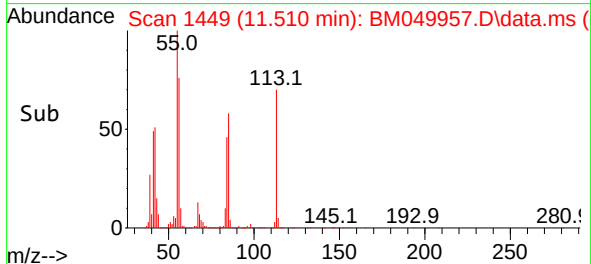
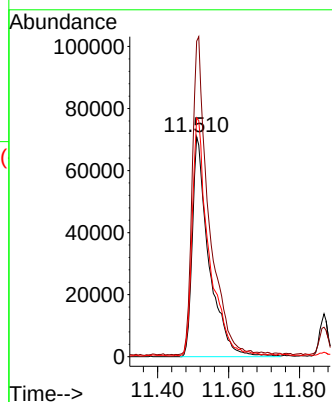
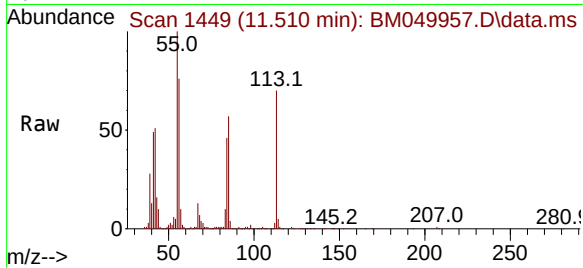




#35
Caprolactam
Concen: 37.580 ng
RT: 11.510 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

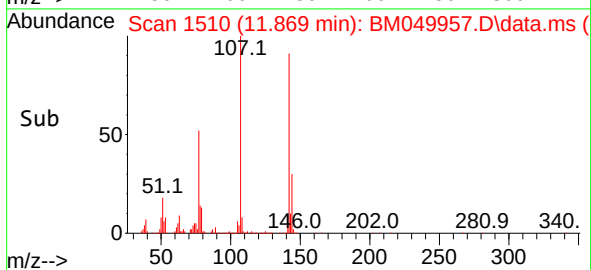
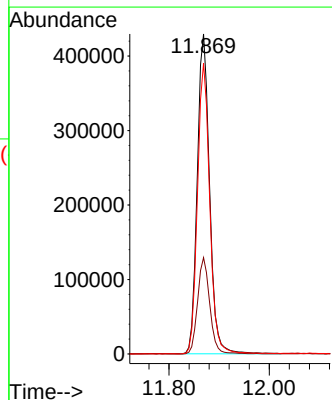
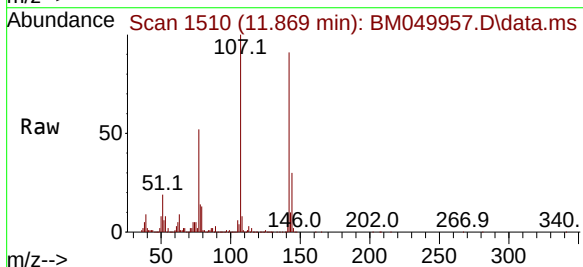
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

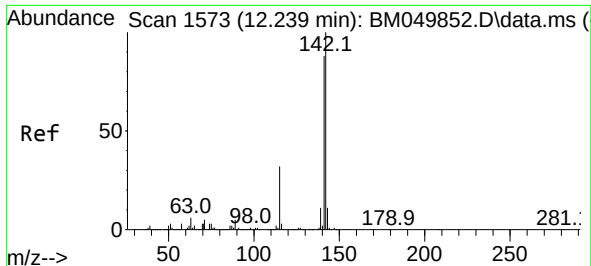
Tgt Ion:113 Resp: 230307
Ion Ratio Lower Upper
113 100
55 143.5 124.3 164.3
56 108.7 87.5 127.5



#36
4-Chloro-3-methylphenol
Concen: 39.155 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:107 Resp: 732863
Ion Ratio Lower Upper
107 100
144 30.1 23.6 35.4
142 90.9 71.4 107.0

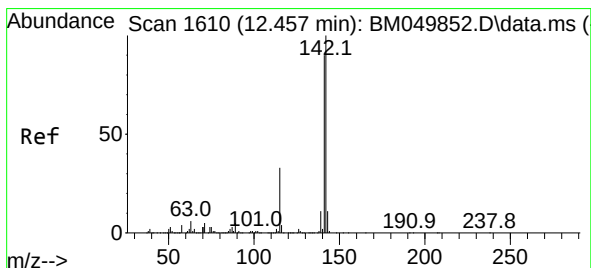
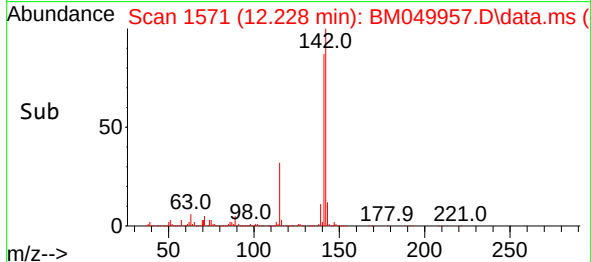
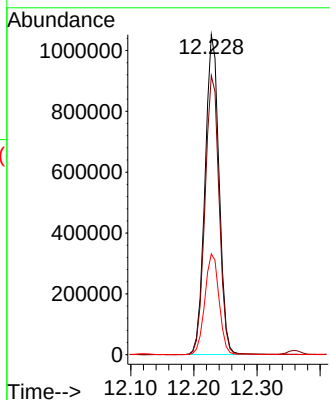
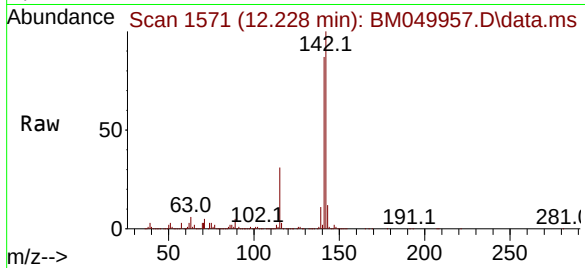




#37
2-Methylnaphthalene
Concen: 36.319 ng
RT: 12.228 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

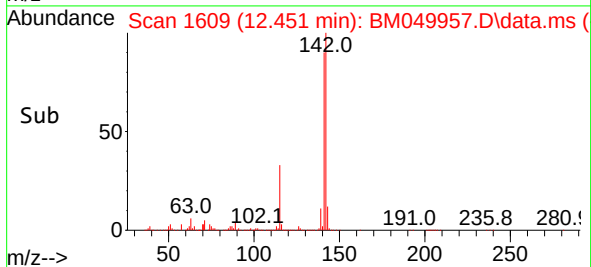
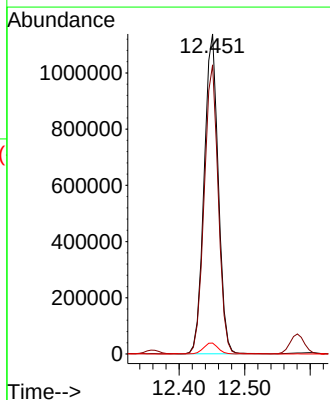
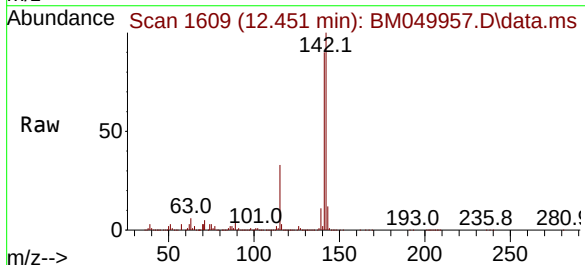
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

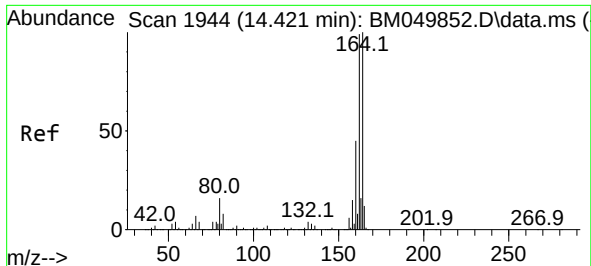
Tgt Ion:142 Resp: 1627295
Ion Ratio Lower Upper
142 100
141 87.2 70.2 105.2
115 31.5 25.4 38.2



#38
1-Methylnaphthalene
Concen: 39.128 ng
RT: 12.451 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:142 Resp: 1707995
Ion Ratio Lower Upper
142 100
141 90.4 72.2 108.2
116 3.4 2.9 4.3

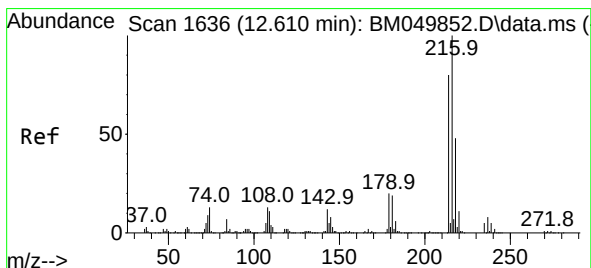
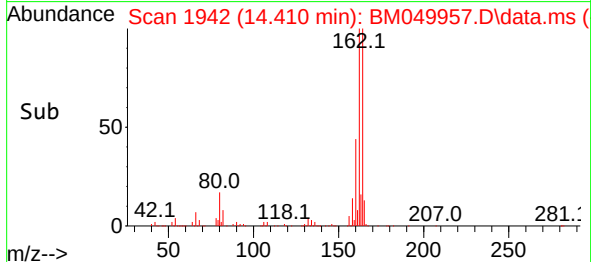
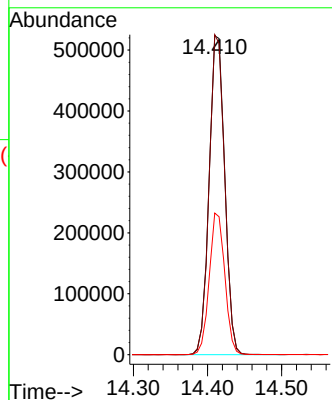
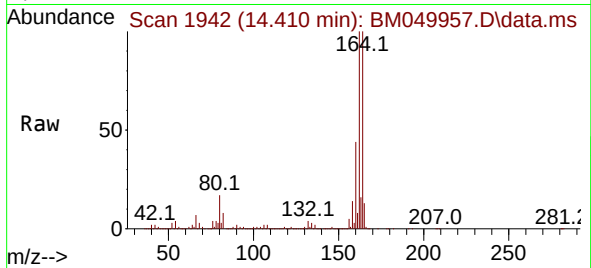




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

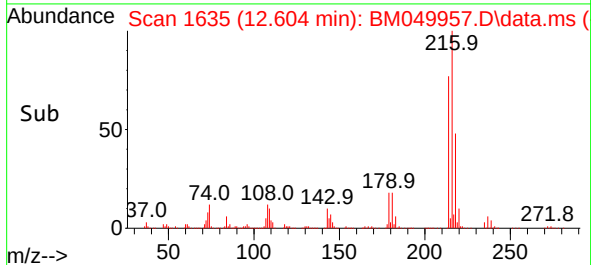
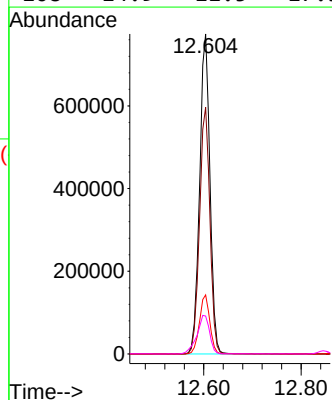
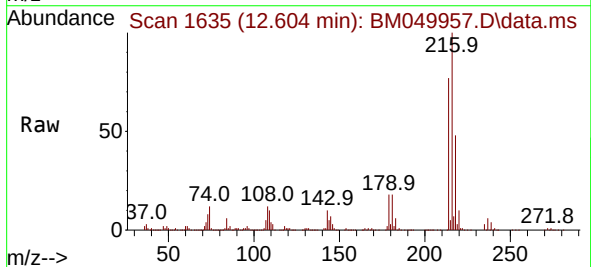
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

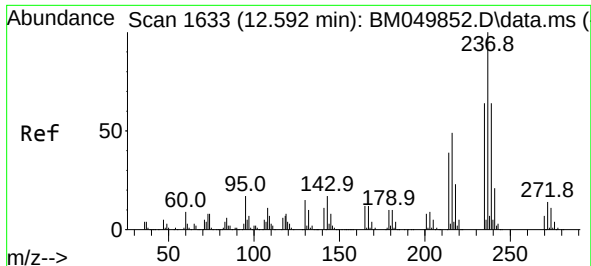
Tgt Ion:164 Resp: 766997
Ion Ratio Lower Upper
164 100
162 100.4 79.4 119.0
160 44.4 36.2 54.2



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.462 ng
RT: 12.604 min Scan# 1635
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:216 Resp: 1139380
Ion Ratio Lower Upper
216 100
214 77.8 63.2 94.8
179 18.6 15.8 23.6
108 14.9 11.5 17.3

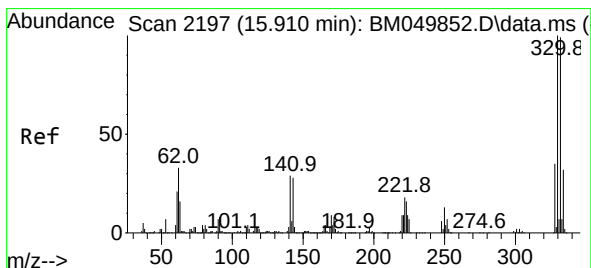
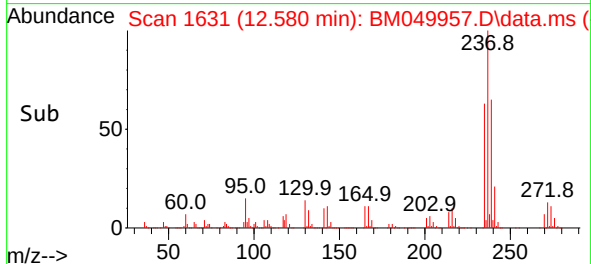
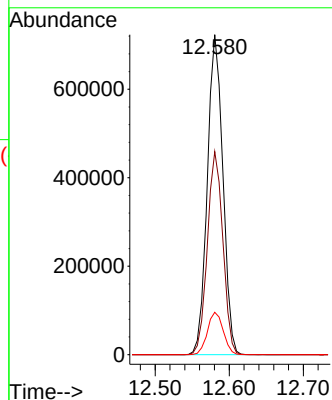
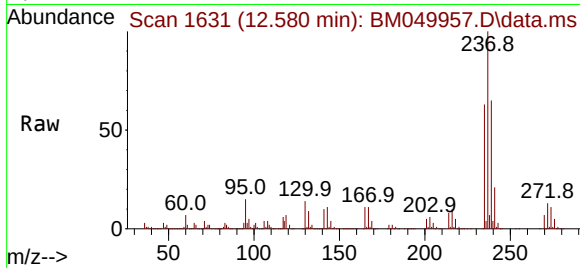




#41
Hexachlorocyclopentadiene
Concen: 112.235 ng
RT: 12.580 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

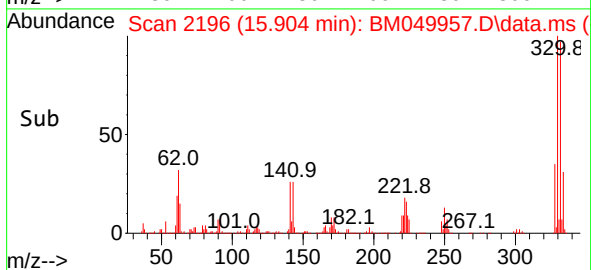
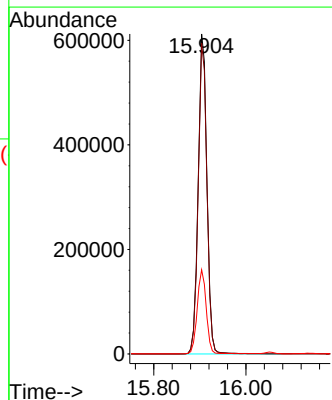
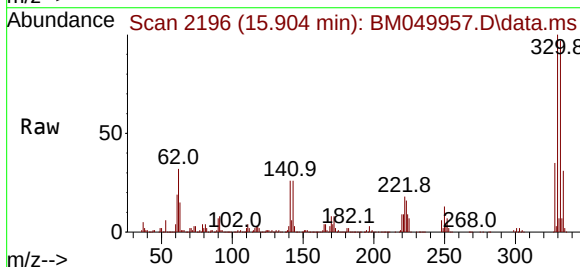
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

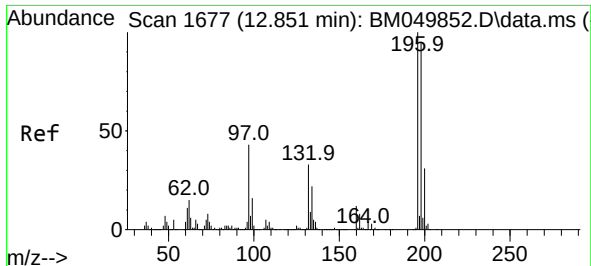
Tgt Ion:237 Resp: 1055285
Ion Ratio Lower Upper
237 100
235 63.5 43.7 83.7
272 13.3 0.0 33.5



#42
2,4,6-Tribromophenol
Concen: 72.080 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:330 Resp: 804142
Ion Ratio Lower Upper
330 100
332 96.8 78.0 117.0
141 27.0 23.5 35.3

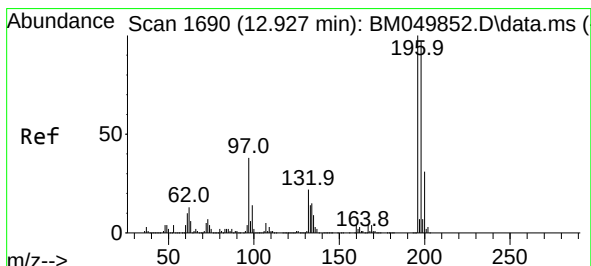
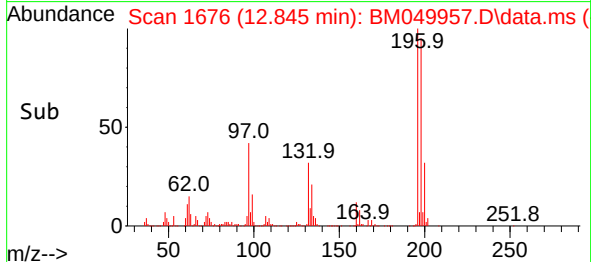
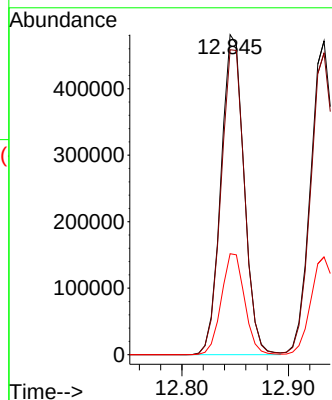
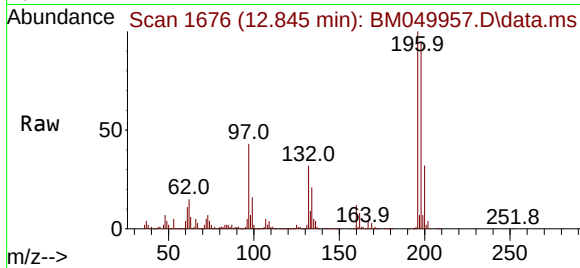




#43
 2,4,6-Trichlorophenol
 Concen: 42.550 ng
 RT: 12.845 min Scan# 1676
 Delta R.T. -0.006 min
 Lab File: BM049957.D
 Acq: 16 Apr 2025 18:03

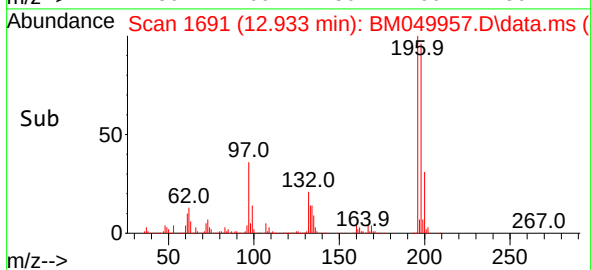
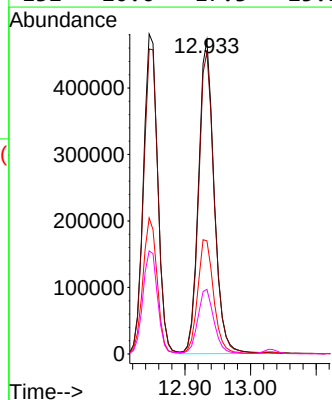
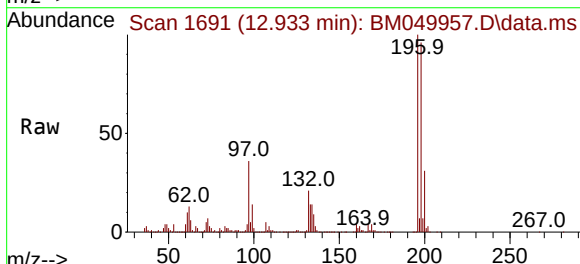
Instrument :
 BNA_M
 ClientSampleId :
 OILY-SOIL-PILEMSD

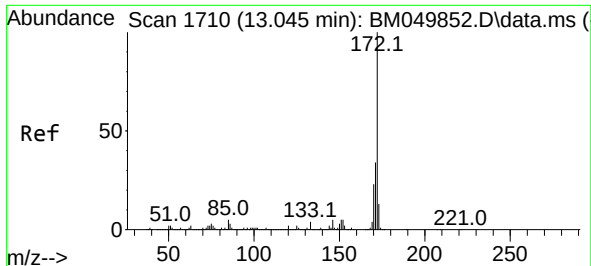
Tgt Ion:196 Resp: 726527
 Ion Ratio Lower Upper
 196 100
 198 95.3 76.1 114.1
 200 31.6 24.7 37.1



#44
 2,4,5-Trichlorophenol
 Concen: 42.277 ng
 RT: 12.933 min Scan# 1691
 Delta R.T. 0.006 min
 Lab File: BM049957.D
 Acq: 16 Apr 2025 18:03

Tgt Ion:196 Resp: 784458
 Ion Ratio Lower Upper
 196 100
 198 96.1 77.7 116.5
 97 36.1 30.3 45.5
 132 20.6 17.3 25.9

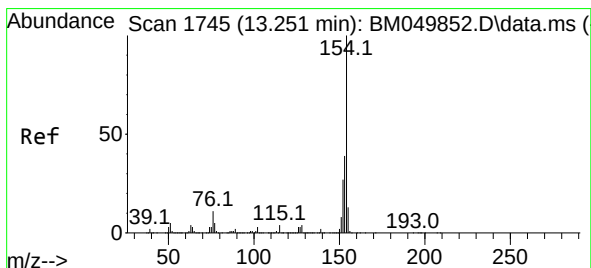
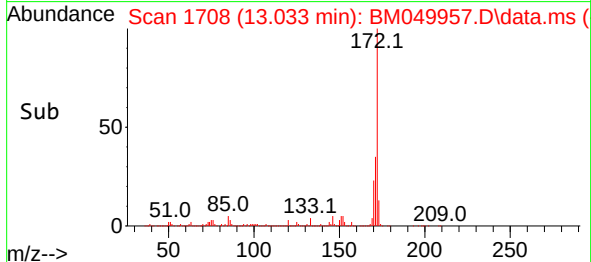
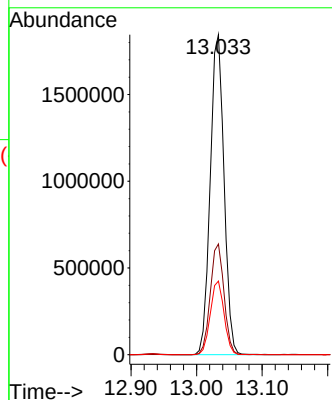
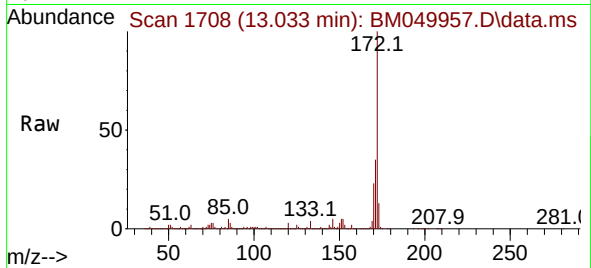




#45
2-Fluorobiphenyl
Concen: 47.722 ng
RT: 13.033 min Scan# 1708
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

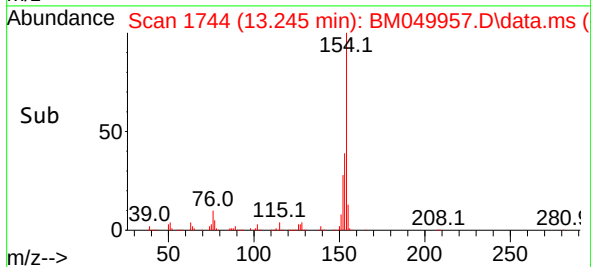
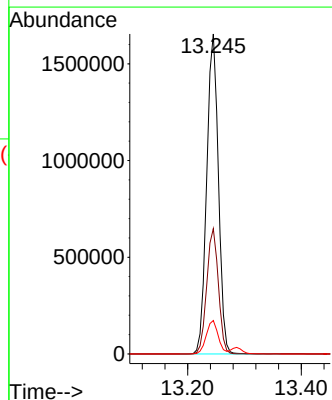
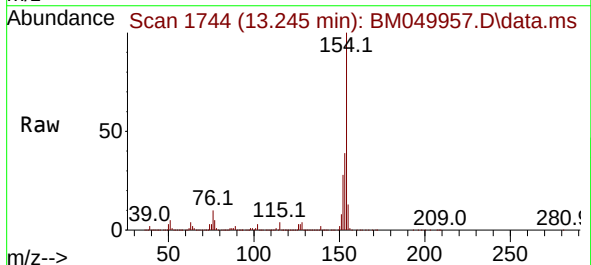
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

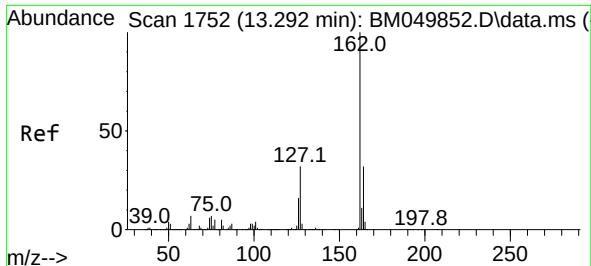
Tgt Ion:172 Resp: 2699268
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.2
170 23.0 18.6 28.0



#46
1,1'-Biphenyl
Concen: 41.187 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:154 Resp: 2348328
Ion Ratio Lower Upper
154 100
153 39.2 19.3 59.3
76 10.5 0.0 30.7

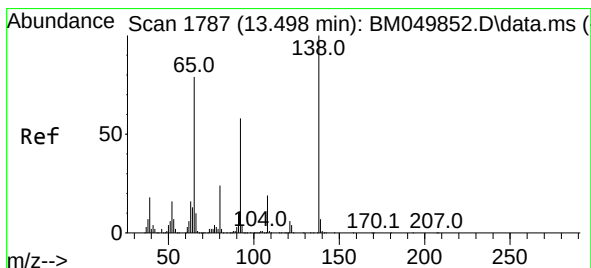
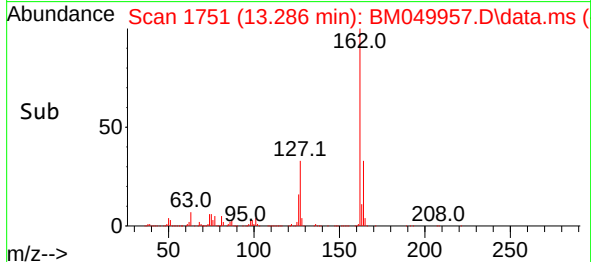
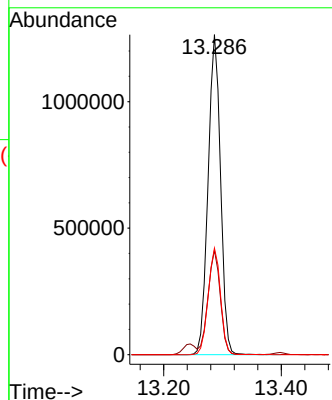
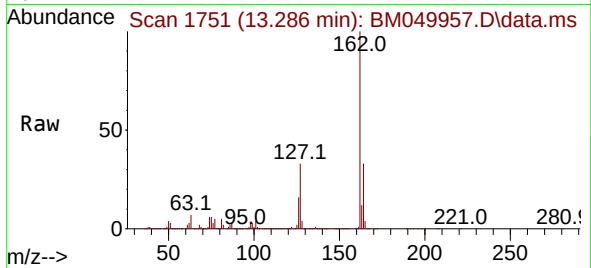




#47
2-Chloronaphthalene
Concen: 41.463 ng
RT: 13.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

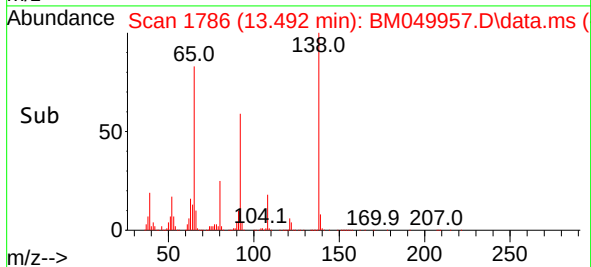
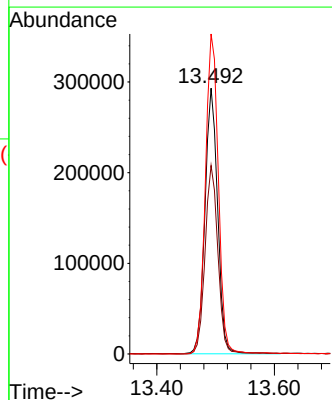
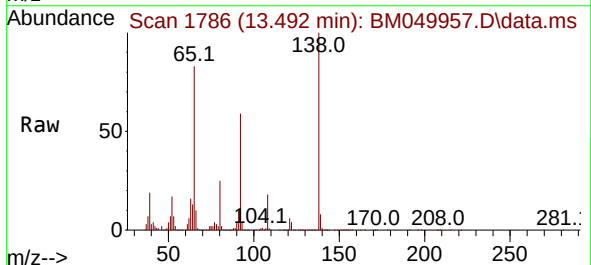
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

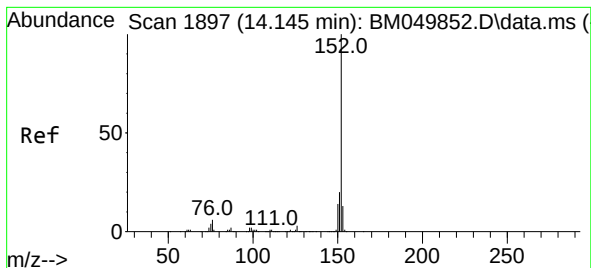
Tgt Ion:162 Resp: 1858097
Ion Ratio Lower Upper
162 100
127 32.7 26.0 39.0
164 33.3 25.9 38.9



#48
2-Nitroaniline
Concen: 42.494 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion: 65 Resp: 440557
Ion Ratio Lower Upper
65 100
92 70.9 58.4 87.6
138 120.4 100.8 151.2





#49

Acenaphthylene

Concen: 45.985 ng

RT: 14.133 min Scan# 1895

Delta R.T. -0.012 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMSD

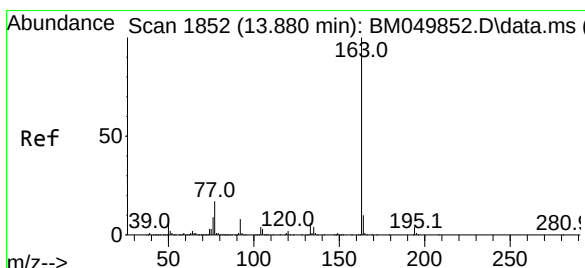
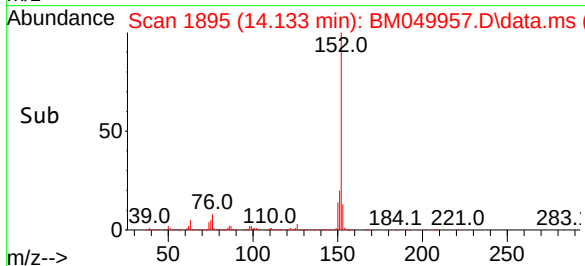
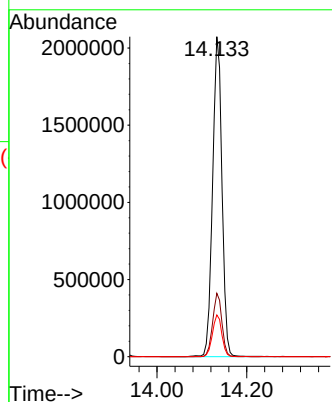
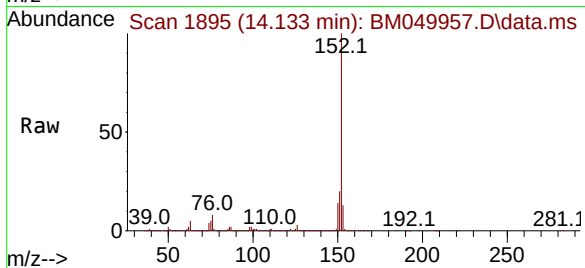
Tgt Ion:152 Resp: 3001811

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

153 13.1 10.4 15.6



#50

Dimethylphthalate

Concen: 39.733 ng

RT: 13.869 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

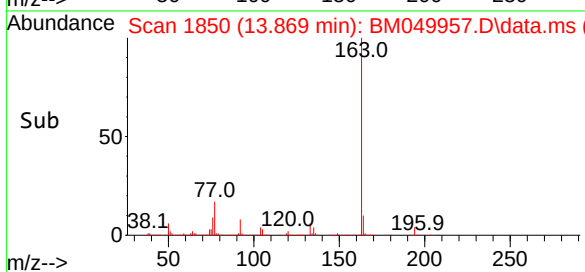
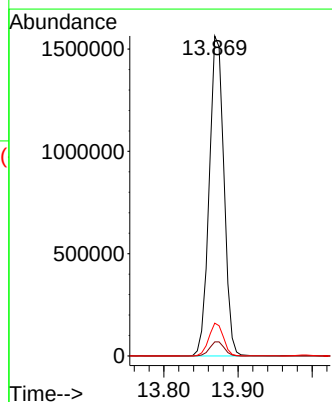
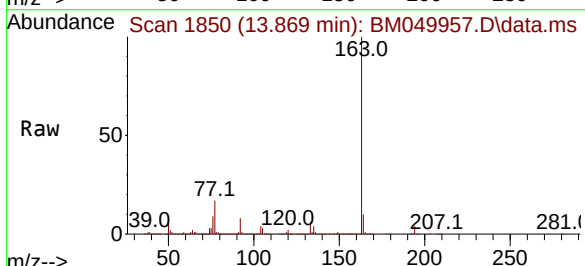
Tgt Ion:163 Resp: 2149959

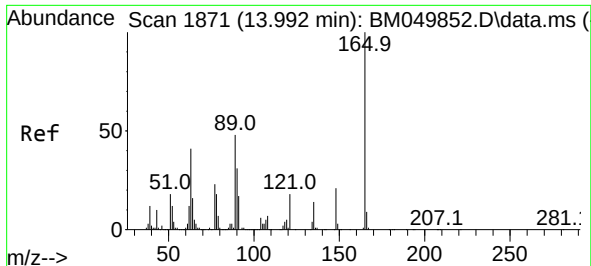
Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

164 10.2 7.9 11.9

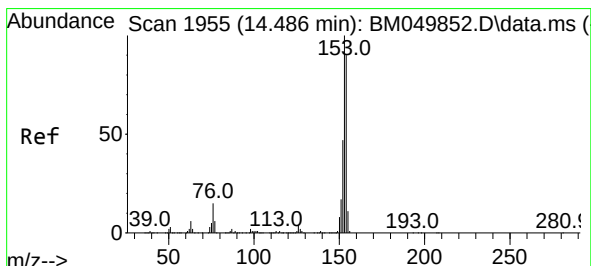
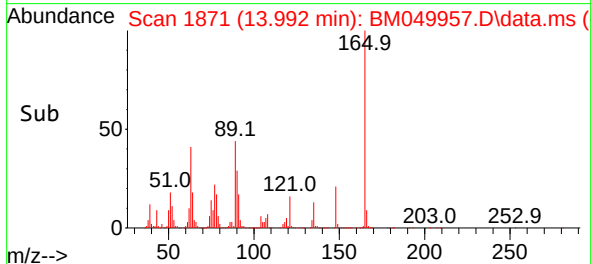
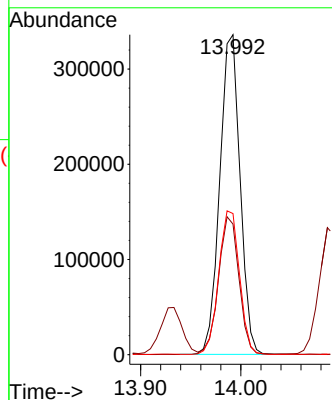
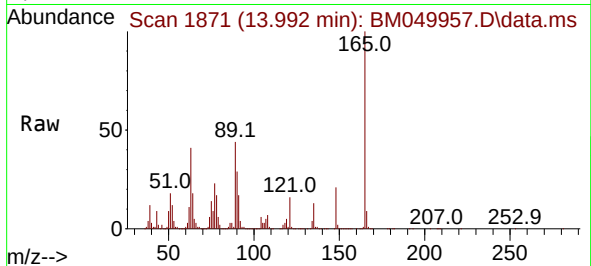




#51
2,6-Dinitrotoluene
Concen: 41.583 ng
RT: 13.992 min Scan# 1871
Delta R.T. 0.000 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

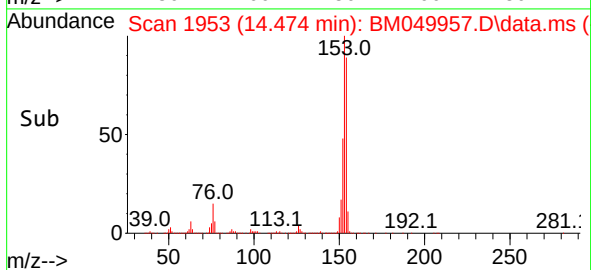
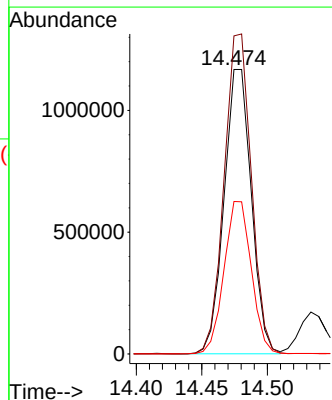
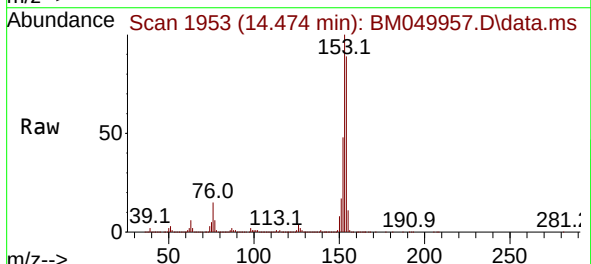
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

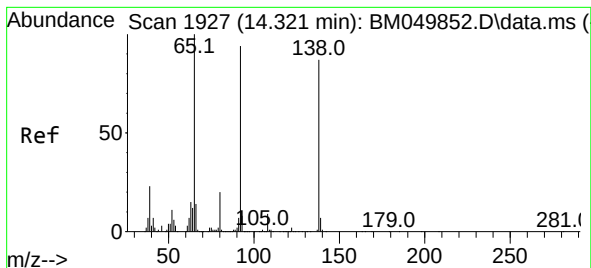
Tgt Ion:165 Resp: 471424
Ion Ratio Lower Upper
165 100
63 40.8 36.1 54.1
89 44.1 38.3 57.5



#52
Acenaphthene
Concen: 40.710 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:154 Resp: 1690361
Ion Ratio Lower Upper
154 100
153 111.8 89.3 133.9
152 53.6 42.2 63.2

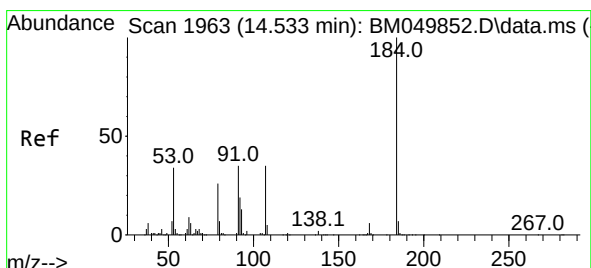
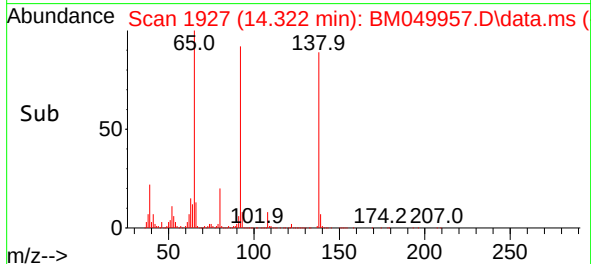
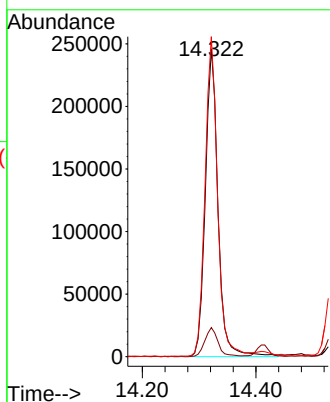
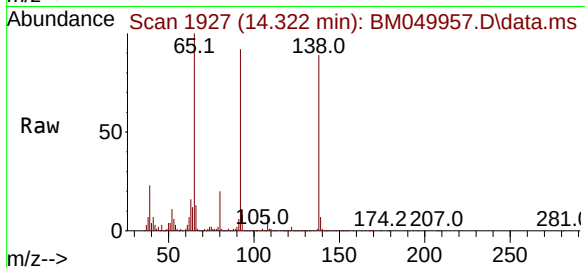




#53
3-Nitroaniline
Concen: 34.646 ng
RT: 14.322 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

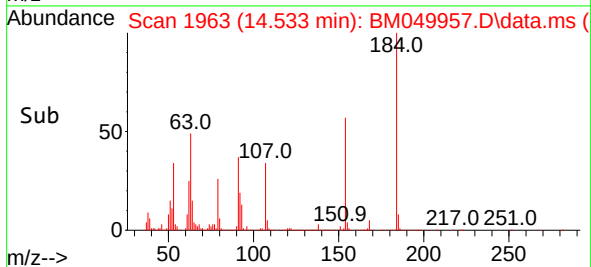
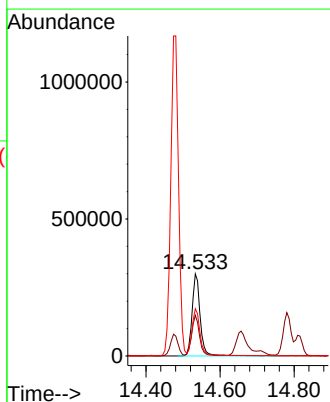
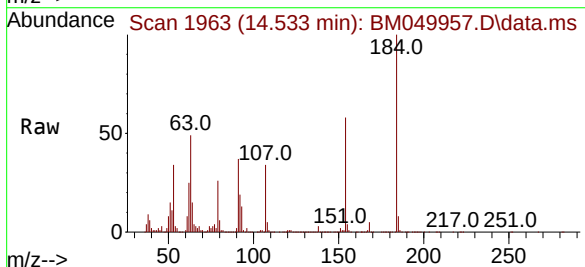
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

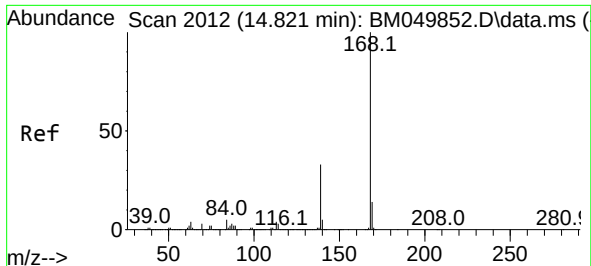
Tgt Ion:138 Resp: 379621
Ion Ratio Lower Upper
138 100
108 9.5 8.1 12.1
92 104.0 86.5 129.7



#54
2,4-Dinitrophenol
Concen: 58.011 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:184 Resp: 458345
Ion Ratio Lower Upper
184 100
63 49.5 38.4 57.6
154 57.5 48.1 72.1

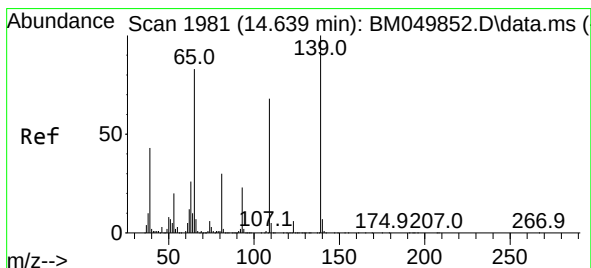
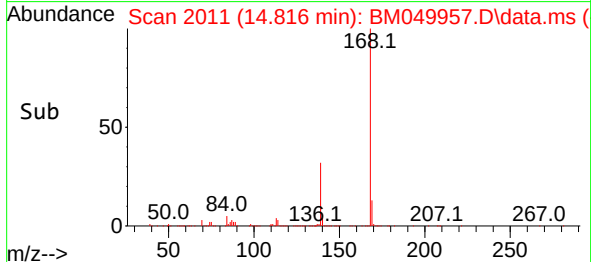
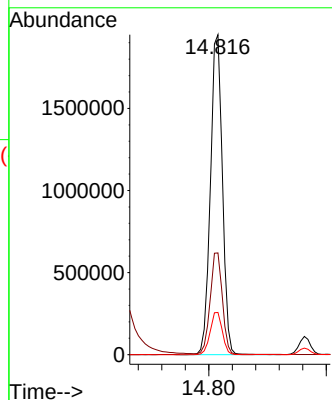
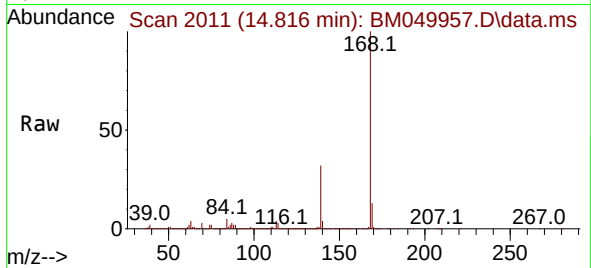




#55
Dibenzenofuran
Concen: 39.576 ng
RT: 14.816 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

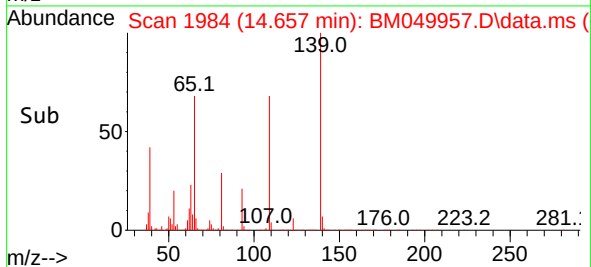
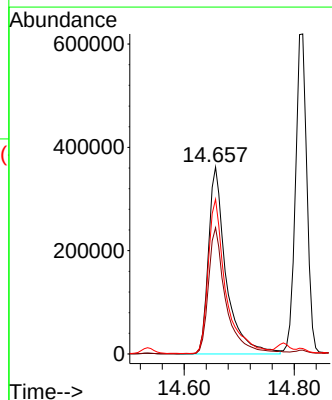
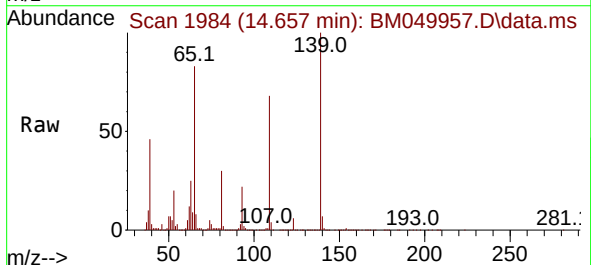
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

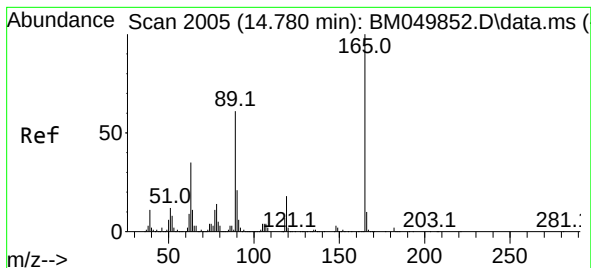
Tgt Ion:168 Resp: 2747091
Ion Ratio Lower Upper
168 100
139 31.8 26.6 39.8
169 13.2 11.0 16.4



#56
4-Nitrophenol
Concen: 82.681 ng
RT: 14.657 min Scan# 1984
Delta R.T. 0.018 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:139 Resp: 807322
Ion Ratio Lower Upper
139 100
109 67.6 47.9 87.9
65 82.8 62.7 102.7

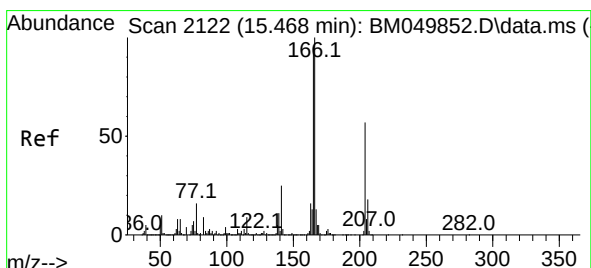
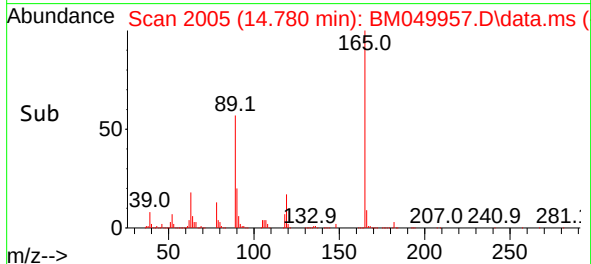
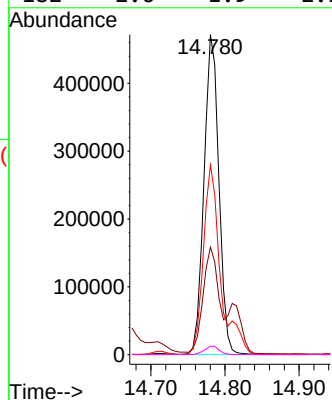
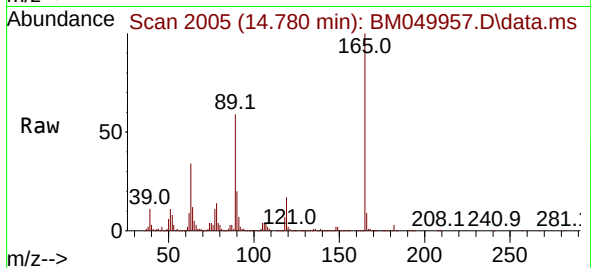




#57
2,4-Dinitrotoluene
Concen: 43.414 ng
RT: 14.780 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

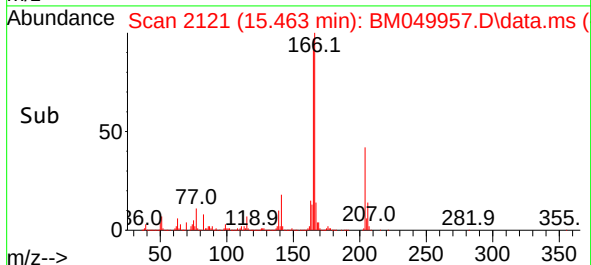
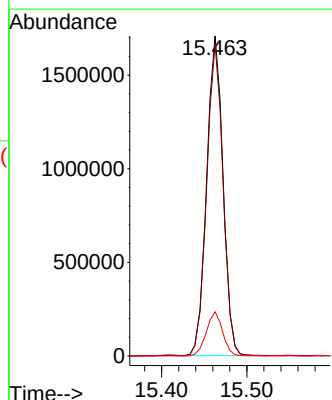
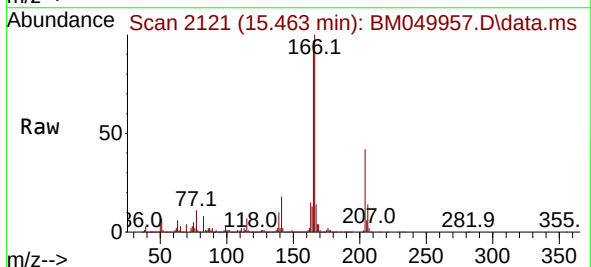
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

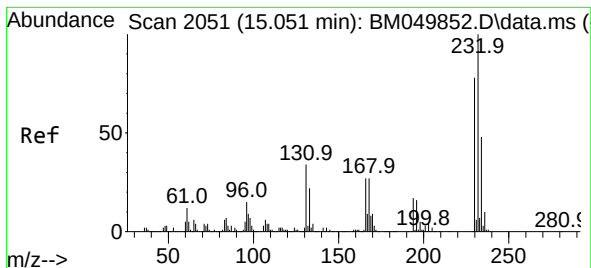
Tgt Ion:165 Resp: 656603
Ion Ratio Lower Upper
165 100
63 33.6 28.6 42.8
89 59.2 49.0 73.6
182 2.6 1.9 2.9



#58
Fluorene
Concen: 41.340 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:166 Resp: 2280971
Ion Ratio Lower Upper
166 100
165 97.4 76.3 114.5
167 13.8 10.7 16.1

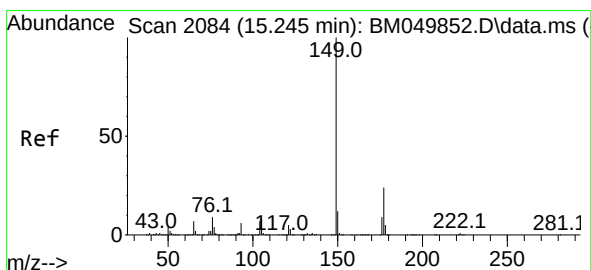
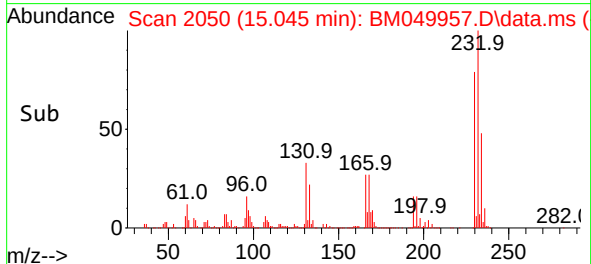
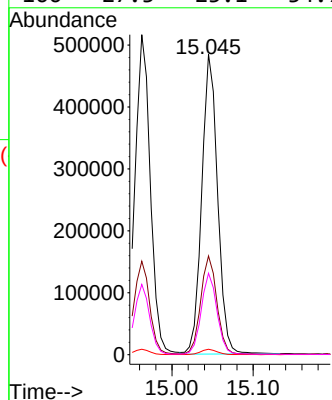
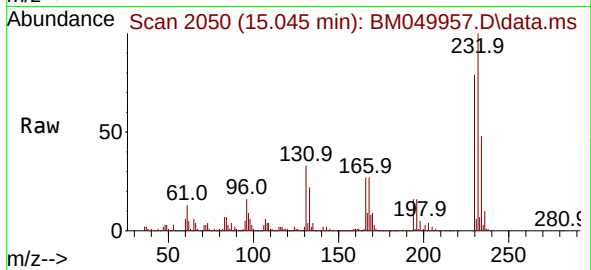




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.425 ng
RT: 15.045 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

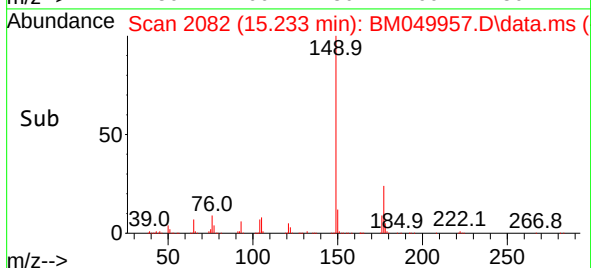
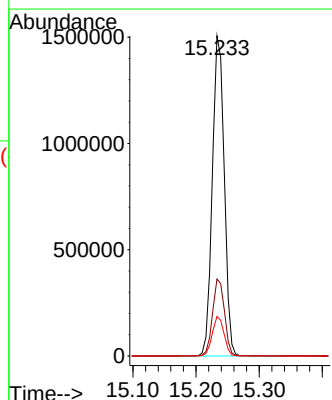
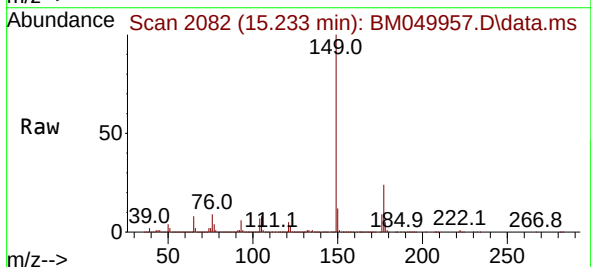
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

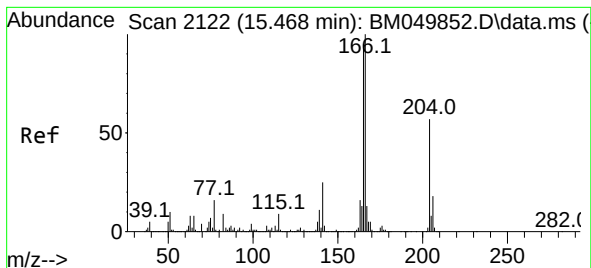
Tgt Ion:232 Resp: 657445
Ion Ratio Lower Upper
232 100
131 33.6 28.4 42.6
130 2.0 1.6 2.4
166 27.3 23.1 34.7



#60
Diethylphthalate
Concen: 38.104 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:149 Resp: 1977276
Ion Ratio Lower Upper
149 100
177 24.1 19.0 28.4
150 12.4 9.7 14.5

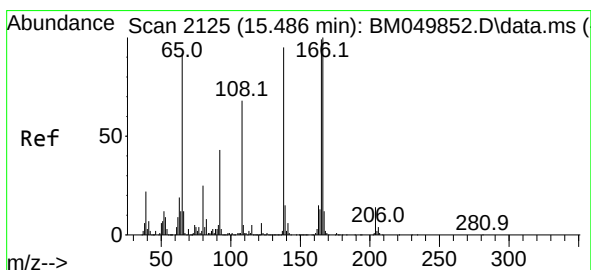
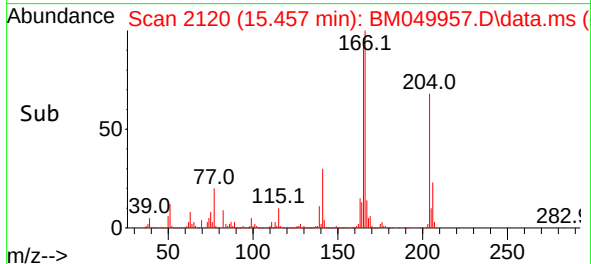
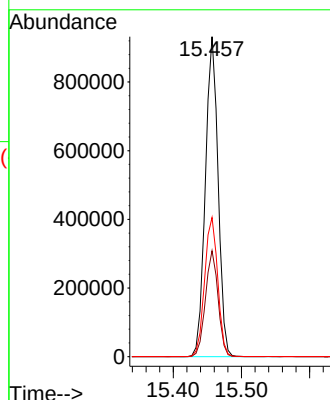
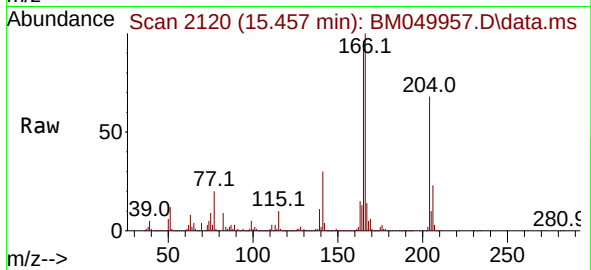




#61
4-Chlorophenyl-phenylether
Concen: 40.885 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

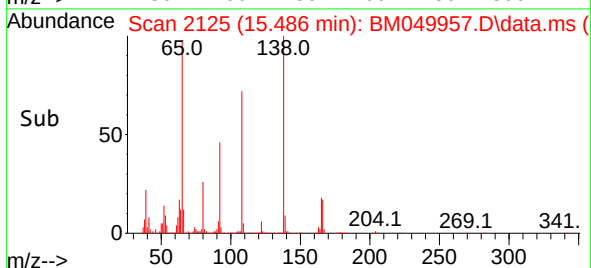
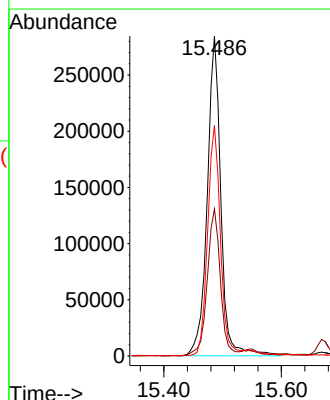
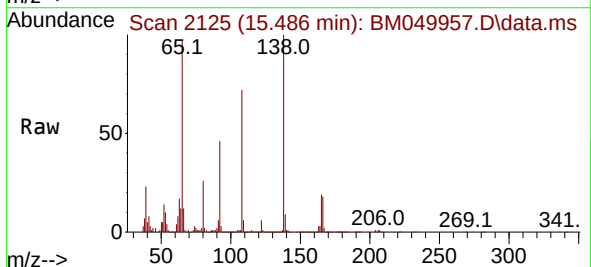
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

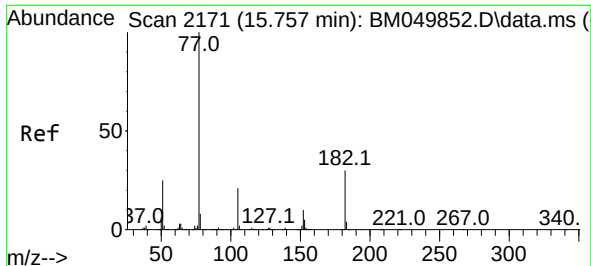
Tgt Ion:204 Resp: 1209434
Ion Ratio Lower Upper
204 100
206 33.1 26.2 39.2
141 43.5 35.0 52.6



#62
4-Nitroaniline
Concen: 40.382 ng
RT: 15.486 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:138 Resp: 457581
Ion Ratio Lower Upper
138 100
92 46.0 24.9 64.9
108 72.0 51.7 91.7

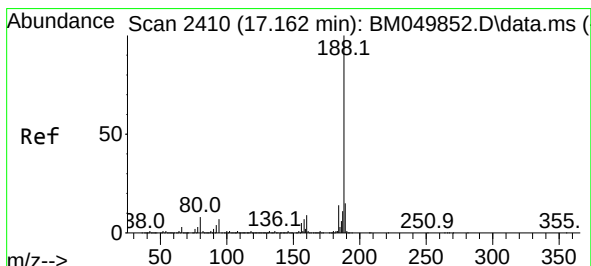
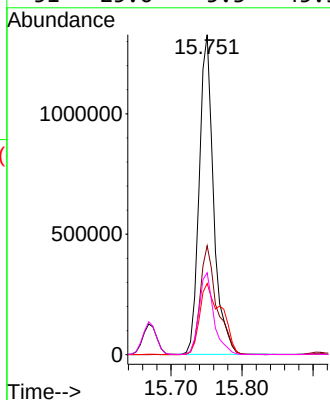
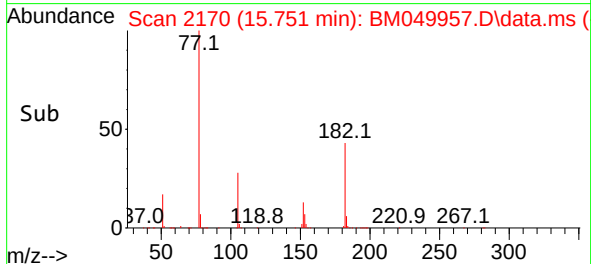
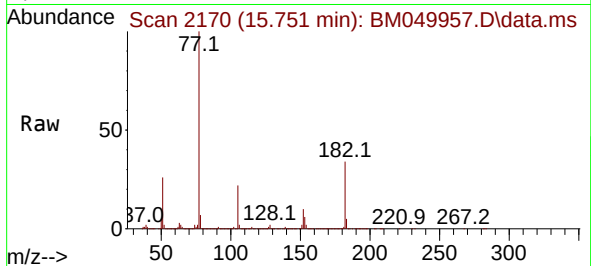




#63
Azobenzene
Concen: 42.069 ng
RT: 15.751 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

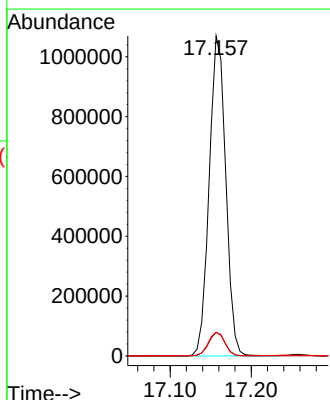
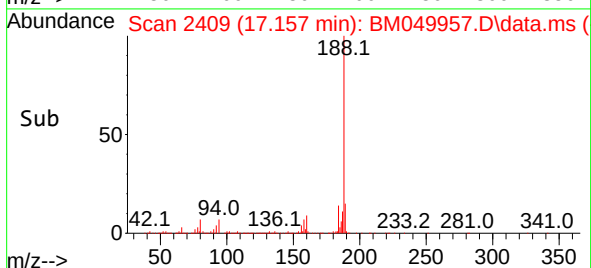
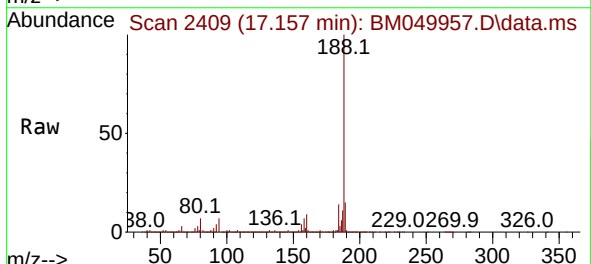
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

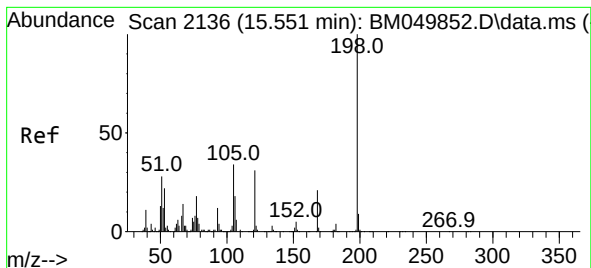
Tgt Ion: 77 Resp: 1868965
Ion Ratio Lower Upper
77 100
182 34.1 10.4 50.4
105 22.2 1.5 41.5
51 25.6 5.3 45.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:188 Resp: 1513554
Ion Ratio Lower Upper
188 100
94 7.3 5.8 8.6
80 7.4 6.4 9.6

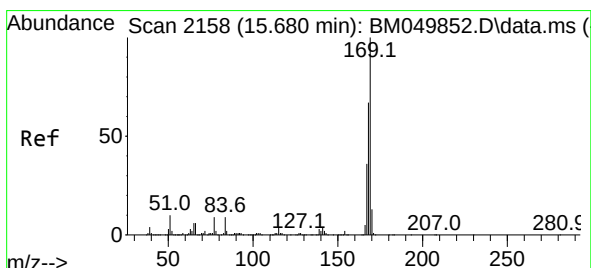
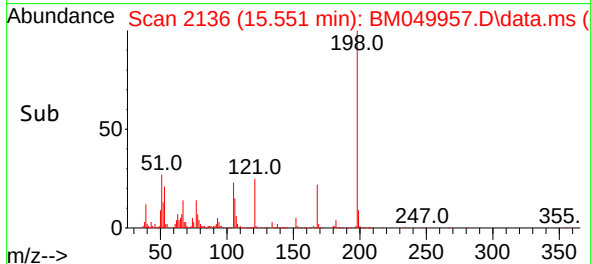
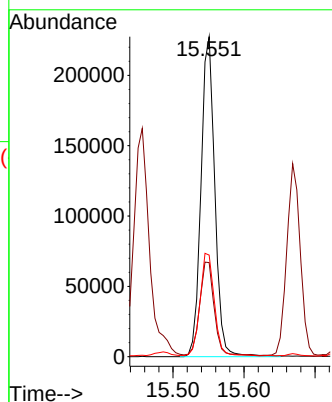
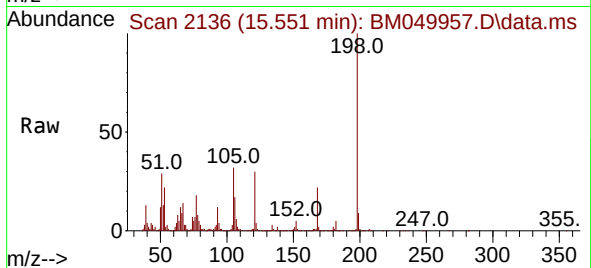




#65
4,6-Dinitro-2-methylphenol
Concen: 32.402 ng
RT: 15.551 min Scan# 2136
Delta R.T. -0.000 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

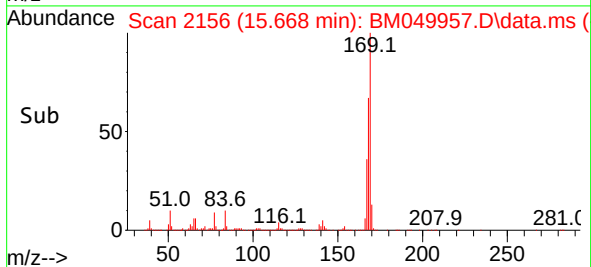
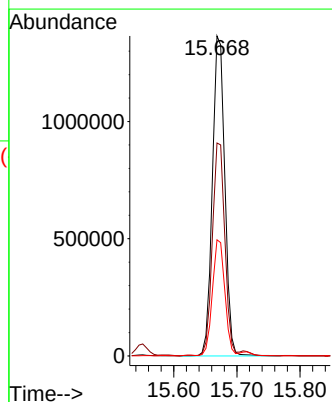
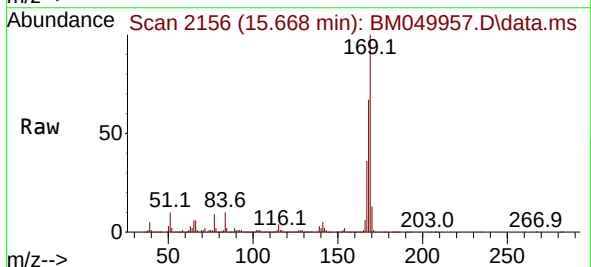
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

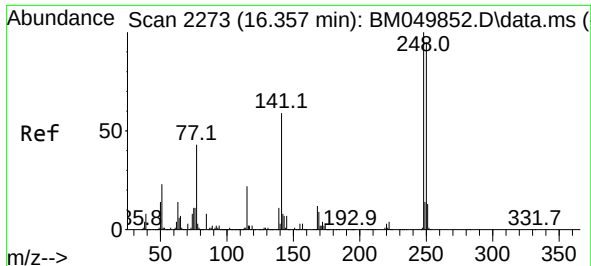
Tgt Ion:198 Resp: 309039
Ion Ratio Lower Upper
198 100
51 29.4 9.6 49.6
105 31.7 14.7 54.7



#66
n-Nitrosodiphenylamine
Concen: 41.148 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:169 Resp: 1863778
Ion Ratio Lower Upper
169 100
168 66.6 53.4 80.2
167 36.3 29.0 43.6

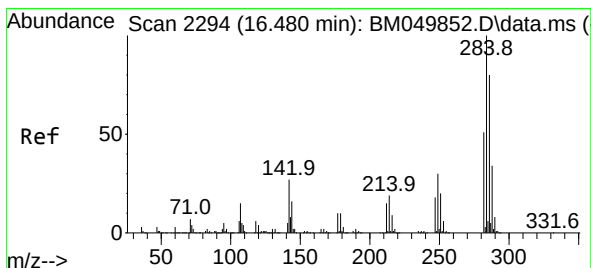
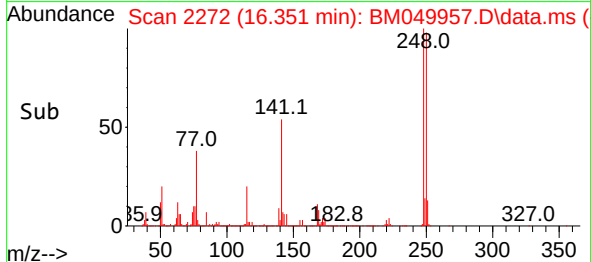
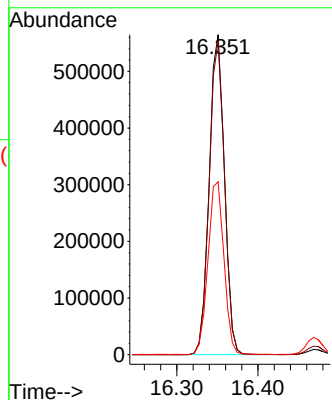
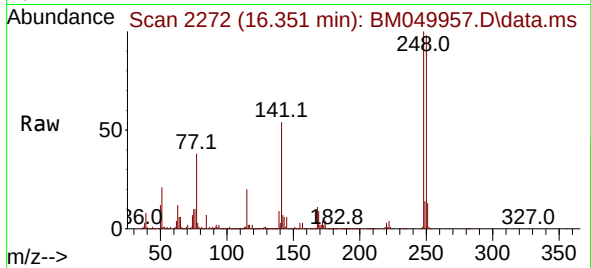




#67
4-Bromophenyl-phenylether
Concen: 41.888 ng
RT: 16.351 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

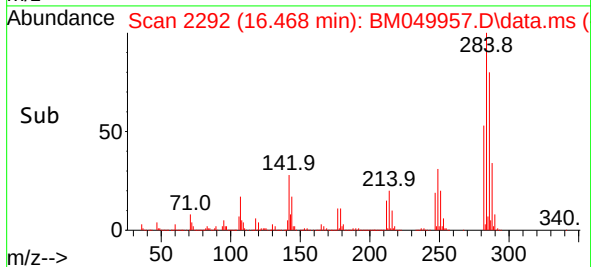
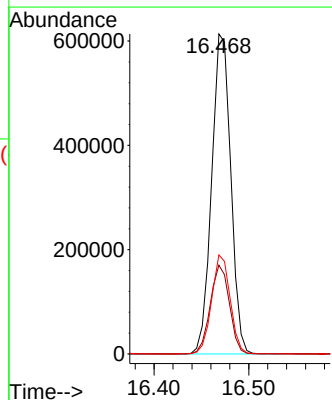
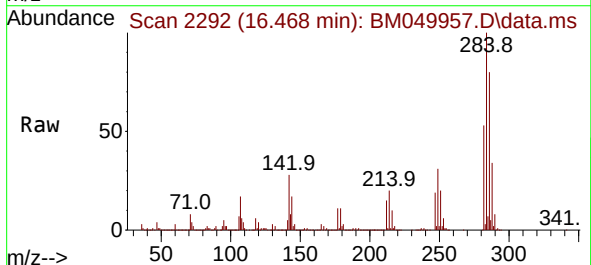
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

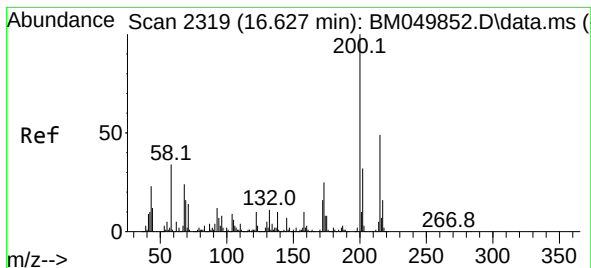
Tgt Ion:248 Resp: 735992
Ion Ratio Lower Upper
248 100
250 98.0 76.2 114.2
141 54.0 47.3 70.9



#68
Hexachlorobenzene
Concen: 42.653 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.012 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:284 Resp: 859631
Ion Ratio Lower Upper
284 100
142 27.8 21.2 31.8
249 30.9 24.1 36.1





#69

Atrazine

Concen: 56.048 ng

RT: 16.627 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMSD

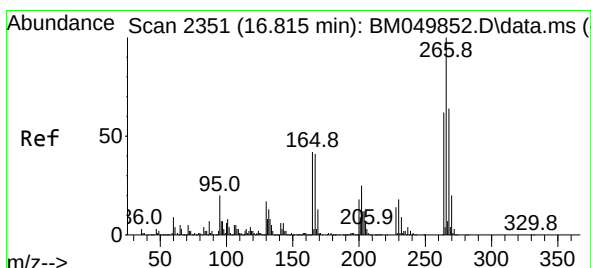
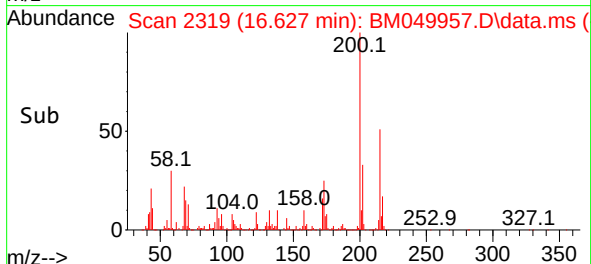
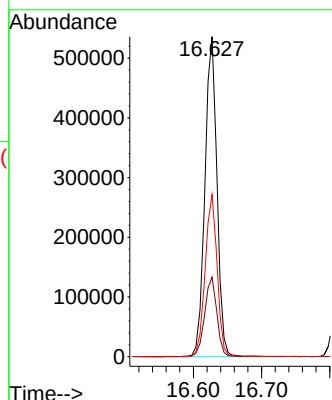
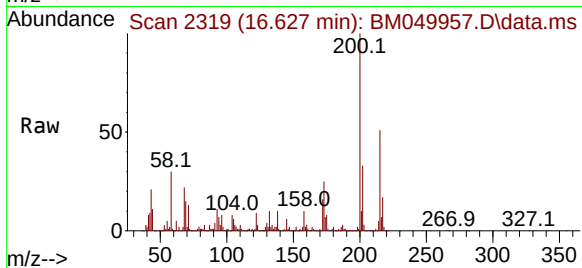
Tgt Ion:200 Resp: 658237

Ion Ratio Lower Upper

200 100

173 24.9 5.4 45.4

215 50.7 29.0 69.0



#70

Pentachlorophenol

Concen: 79.229 ng

RT: 16.815 min Scan# 2351

Delta R.T. 0.000 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

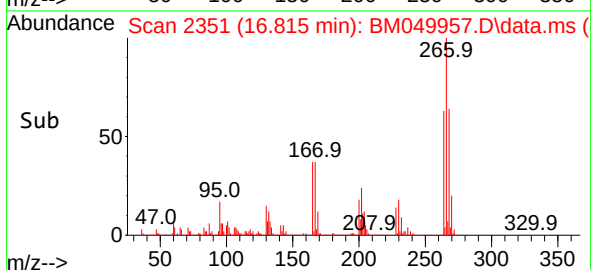
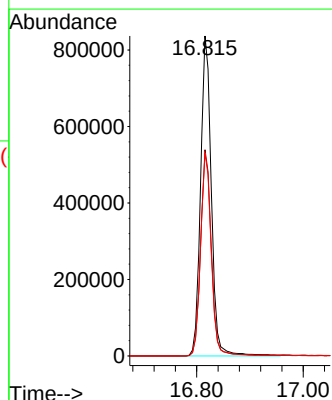
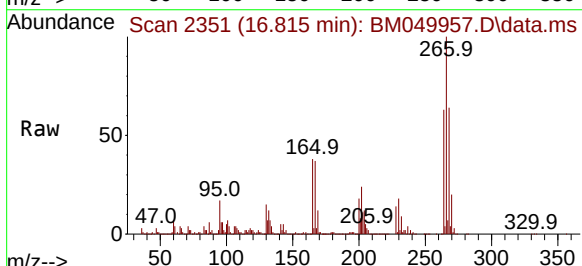
Tgt Ion:266 Resp: 1175579

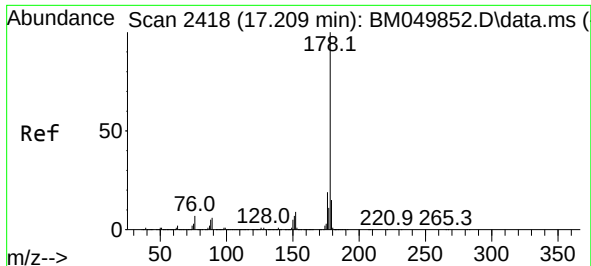
Ion Ratio Lower Upper

266 100

268 64.5 51.4 77.2

264 63.4 49.8 74.8

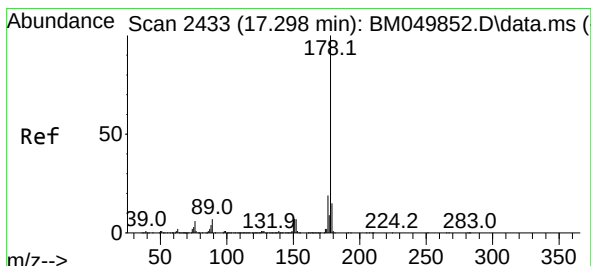
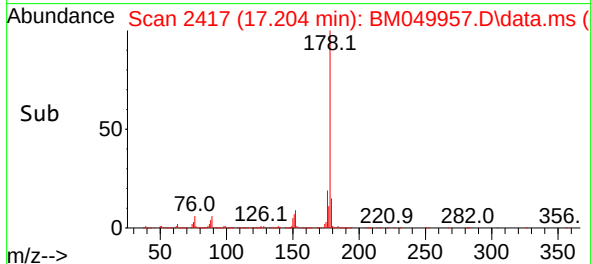
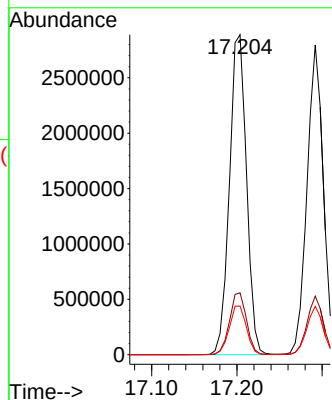
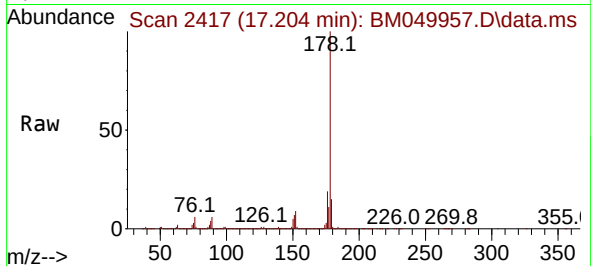




#71
Phenanthrene
Concen: 48.384 ng
RT: 17.204 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

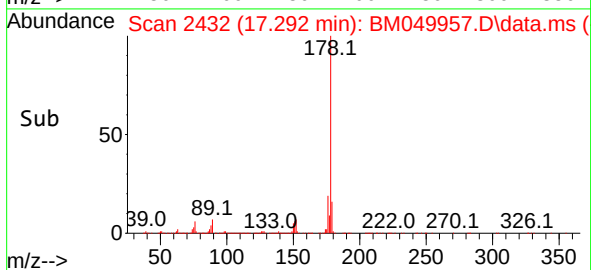
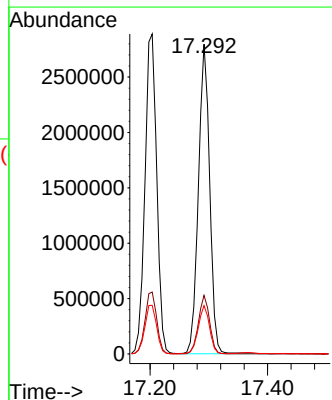
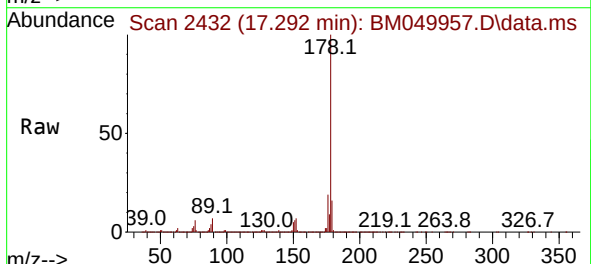
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

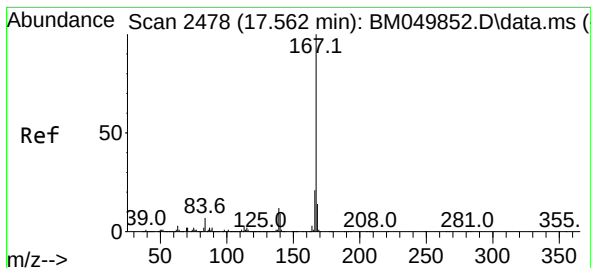
Tgt Ion:178 Resp: 4014857
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.2 12.3 18.5



#72
Anthracene
Concen: 45.413 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:178 Resp: 3713619
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.6 12.4 18.6





#73

Carbazole

Concen: 41.314 ng

RT: 17.562 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMSD

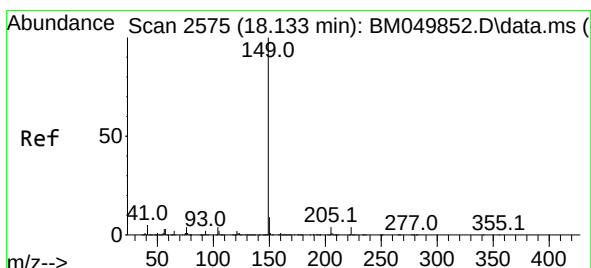
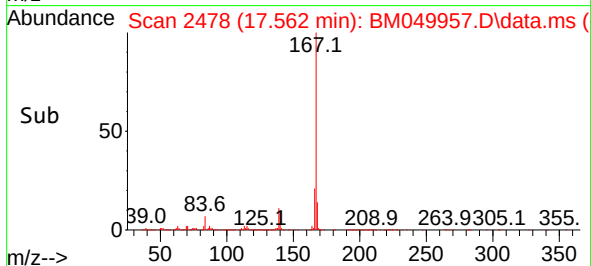
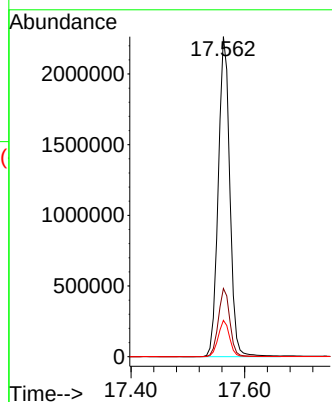
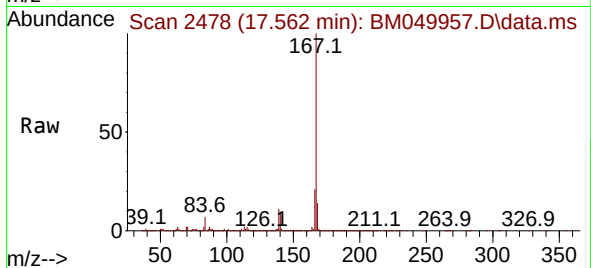
Tgt Ion:167 Resp: 3182056

Ion Ratio Lower Upper

167 100

166 21.3 16.9 25.3

139 11.3 9.3 13.9



#74

Di-n-butylphthalate

Concen: 39.270 ng

RT: 18.127 min Scan# 2574

Delta R.T. -0.006 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

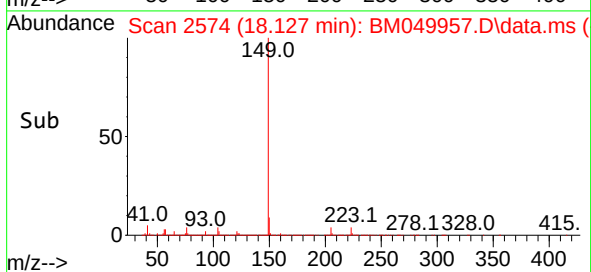
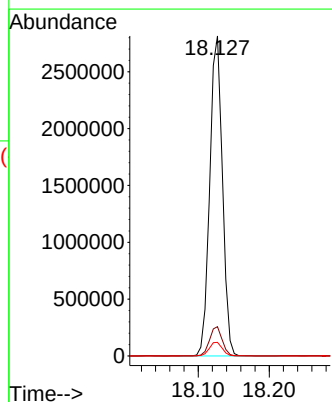
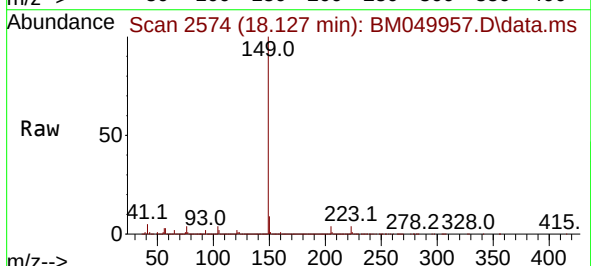
Tgt Ion:149 Resp: 3483798

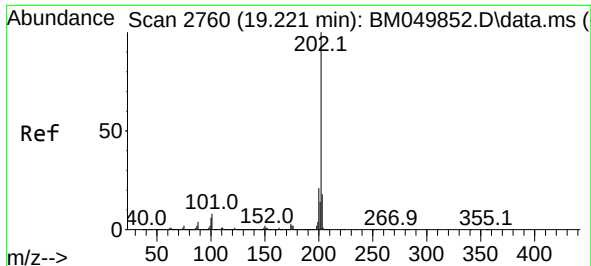
Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

104 4.2 3.5 5.3

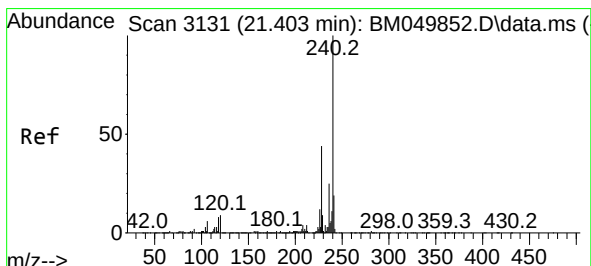
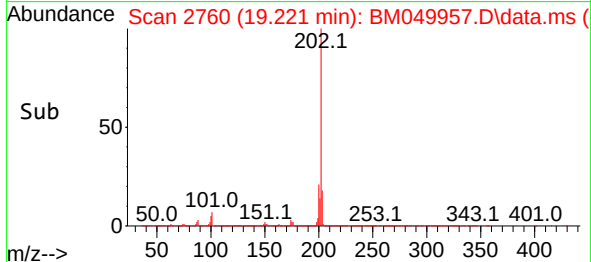
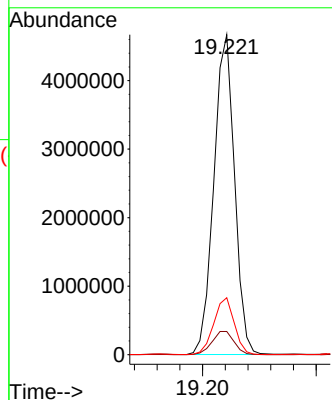
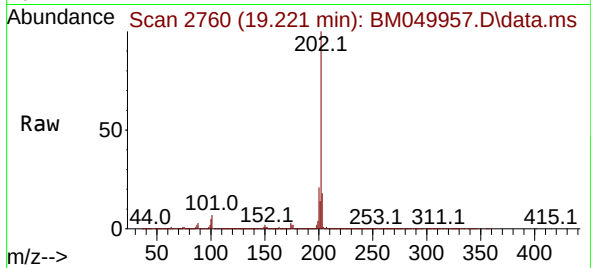




#75
Fluoranthene
Concen: 57.942 ng
RT: 19.221 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

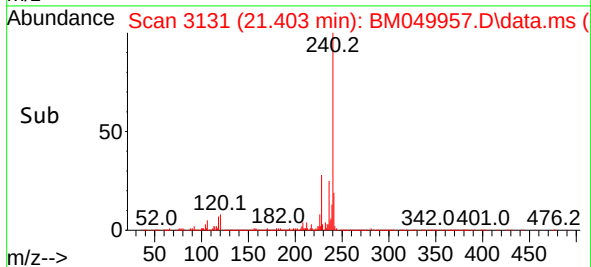
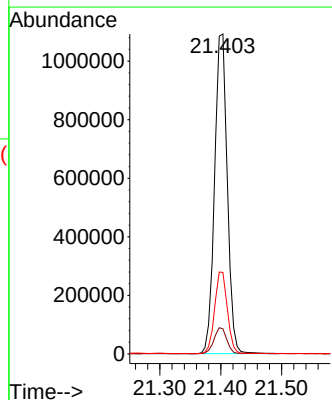
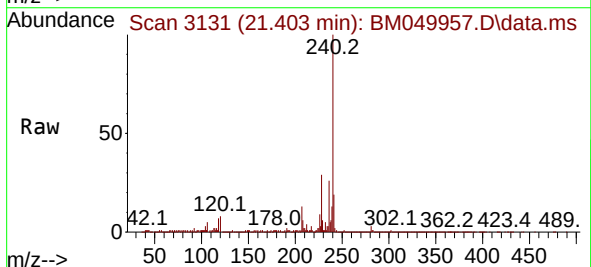
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

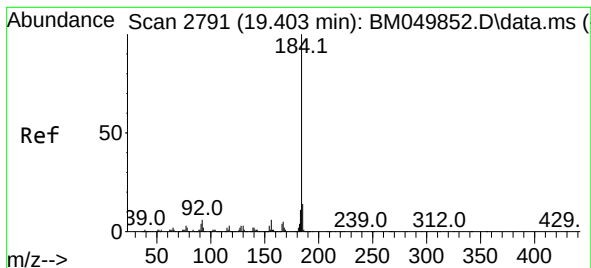
Tgt Ion:202 Resp: 5911614
Ion Ratio Lower Upper
202 100
101 7.3 0.0 28.4
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:240 Resp: 1581516
Ion Ratio Lower Upper
240 100
120 7.8 6.9 10.3
236 25.5 20.4 30.6





#77

Benzidine

Concen: 102.725 ng

RT: 19.409 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMSD

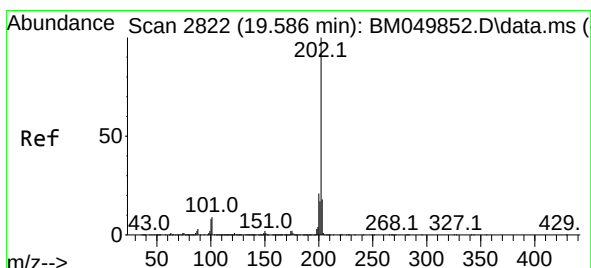
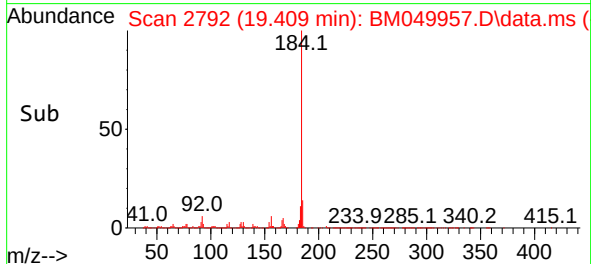
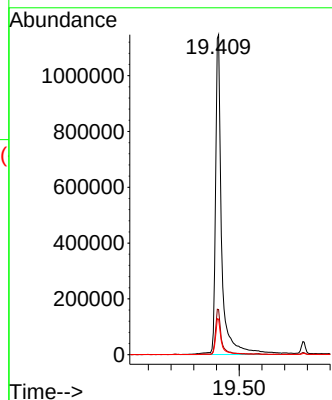
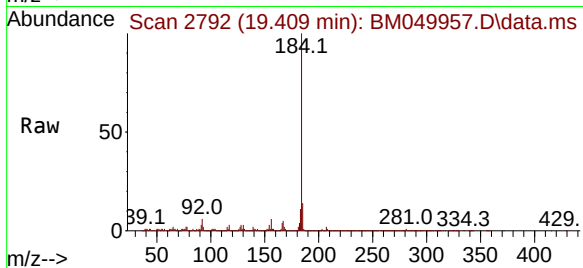
Tgt Ion:184 Resp: 2155270

Ion Ratio Lower Upper

184 100

185 14.1 11.4 17.2

183 11.1 8.8 13.2



#78

Pyrene

Concen: 53.834 ng

RT: 19.580 min Scan# 2821

Delta R.T. -0.006 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

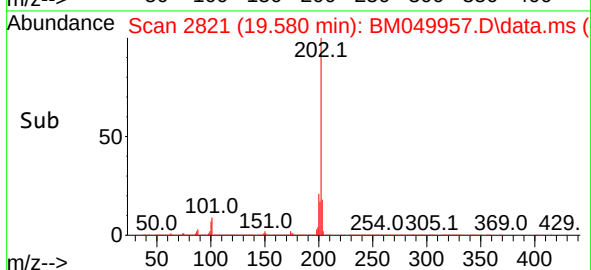
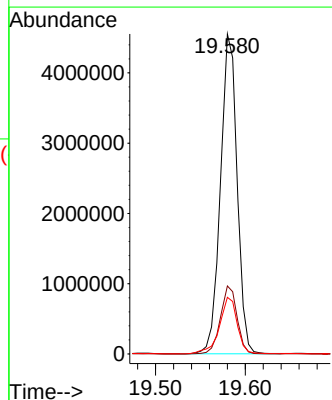
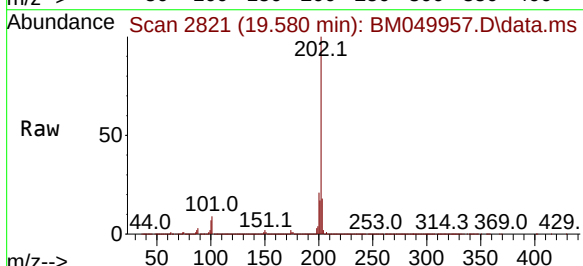
Tgt Ion:202 Resp: 5867613

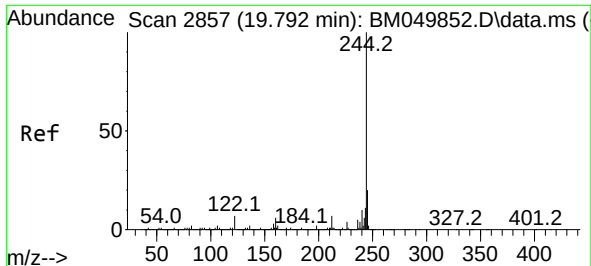
Ion Ratio Lower Upper

202 100

200 21.2 16.5 24.7

203 17.7 14.0 21.0

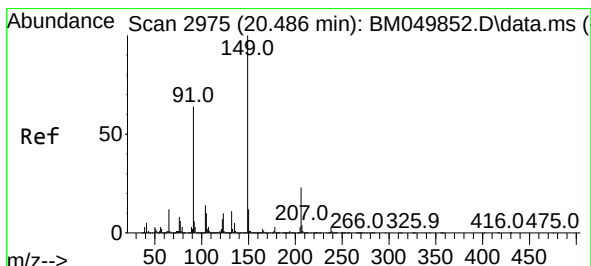
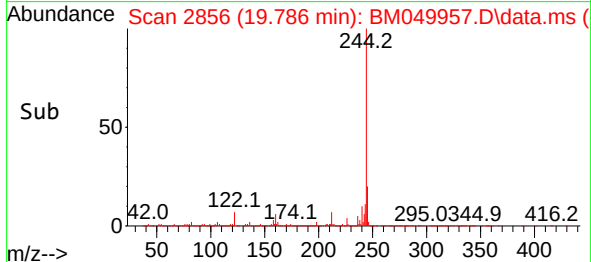
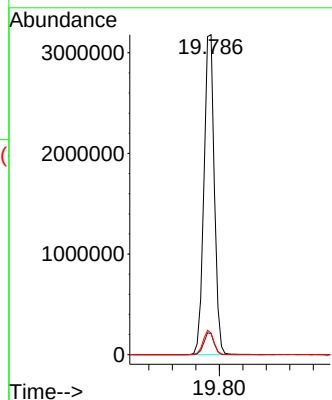
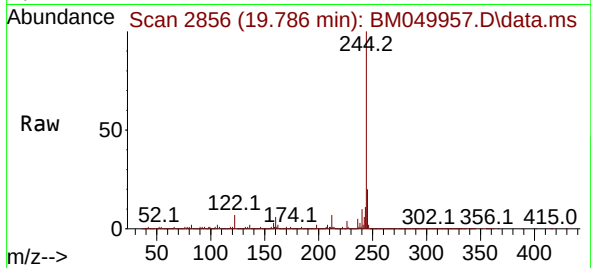




#79
 Terphenyl-d14
 Concen: 45.993 ng
 RT: 19.786 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM049957.D
 Acq: 16 Apr 2025 18:03

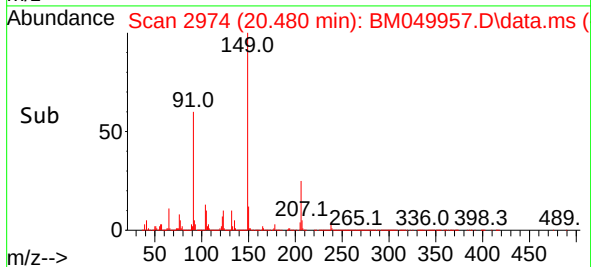
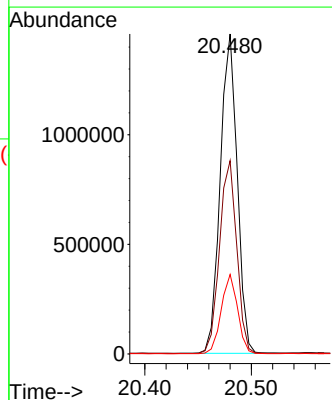
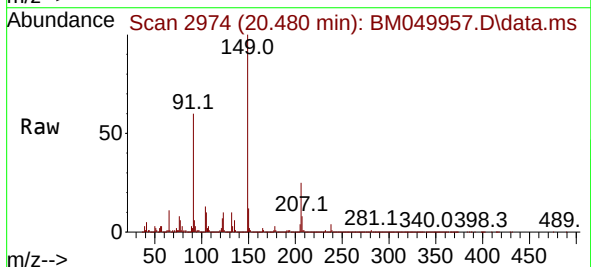
Instrument :
 BNA_M
 ClientSampleId :
 OILY-SOIL-PILEMSD

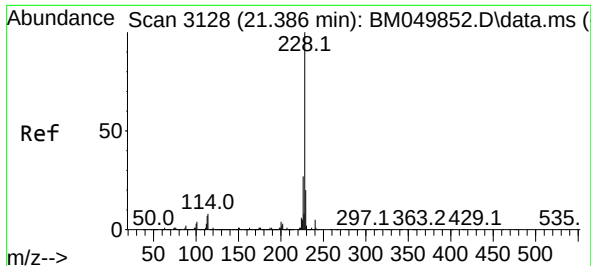
Tgt Ion:244 Resp: 3881366
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.5 8.3
 122 6.7 5.4 8.0



#80
 Butylbenzylphthalate
 Concen: 39.219 ng
 RT: 20.480 min Scan# 2974
 Delta R.T. -0.006 min
 Lab File: BM049957.D
 Acq: 16 Apr 2025 18:03

Tgt Ion:149 Resp: 1606238
 Ion Ratio Lower Upper
 149 100
 91 60.4 50.9 76.3
 206 24.9 18.4 27.6

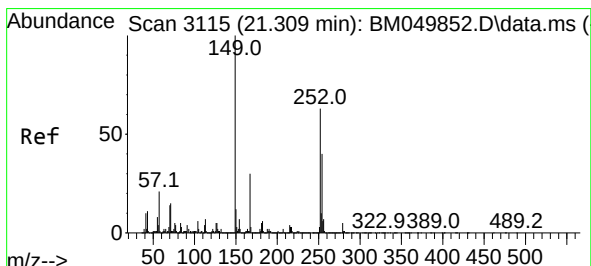
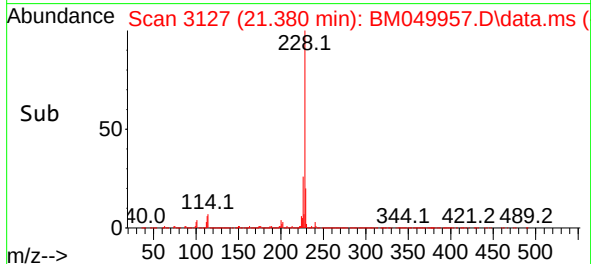
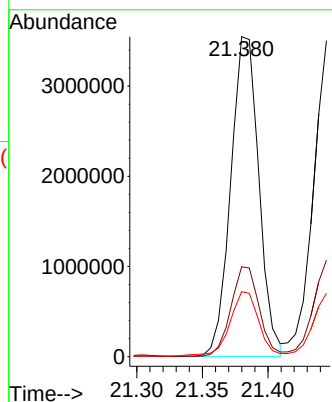
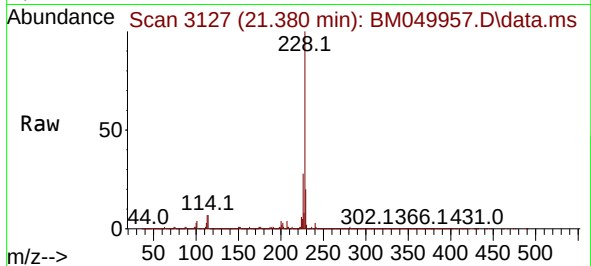




#81
Benzo(a)anthracene
Concen: 50.380 ng
RT: 21.380 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

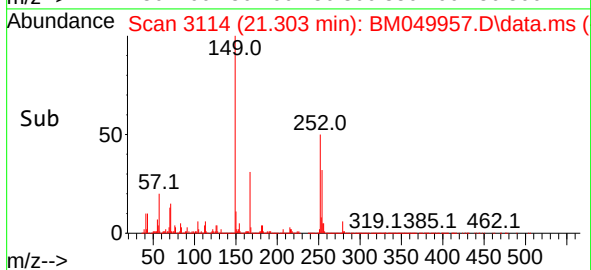
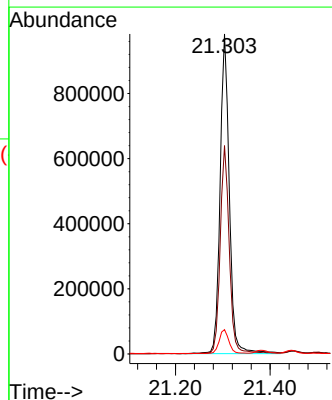
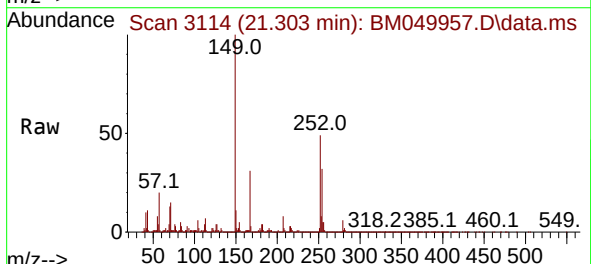
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

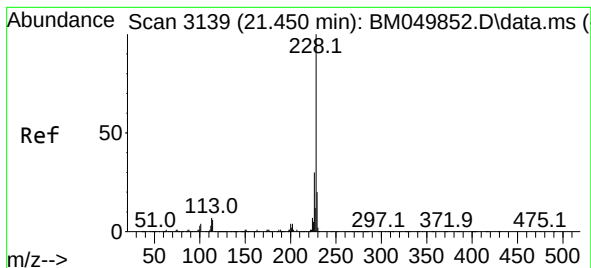
Tgt Ion:228 Resp: 5295288
Ion Ratio Lower Upper
228 100
226 28.1 21.8 32.8
229 20.3 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 33.334 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:252 Resp: 1323105
Ion Ratio Lower Upper
252 100
254 65.1 51.5 77.3
126 7.6 6.3 9.5





#83

Chrysene

Concen: 48.508 ng

RT: 21.445 min Scan# 3139

Delta R.T. -0.006 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMSD

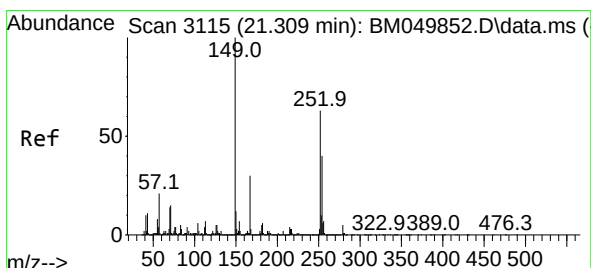
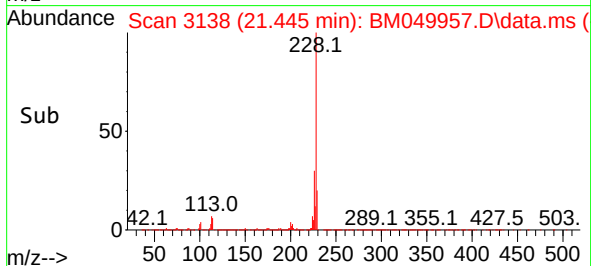
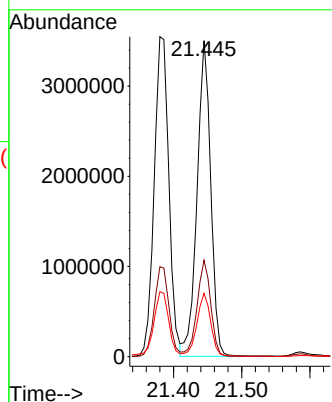
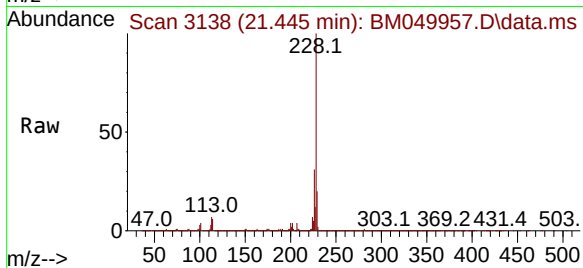
Tgt Ion:228 Resp: 4847226

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

229 20.1 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.216 ng

RT: 21.303 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

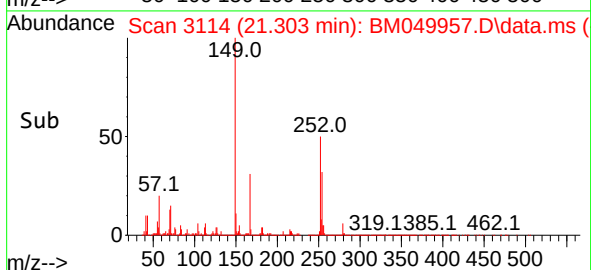
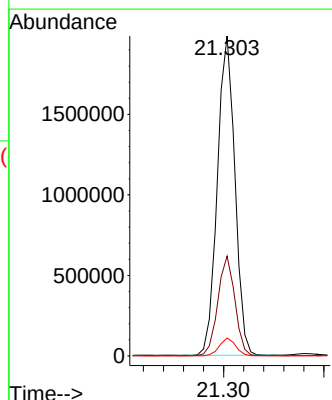
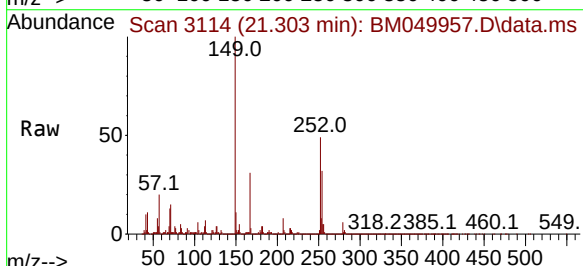
Tgt Ion:149 Resp: 2399707

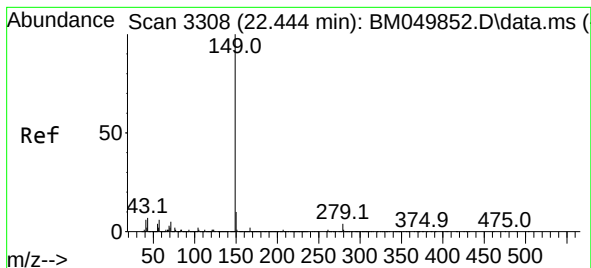
Ion Ratio Lower Upper

149 100

167 31.2 23.8 35.6

279 5.6 3.8 5.8





#85

Di-n-octyl phthalate

Concen: 40.081 ng

RT: 22.433 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

Instrument :

BNA_M

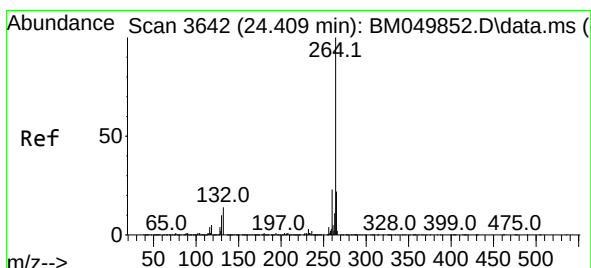
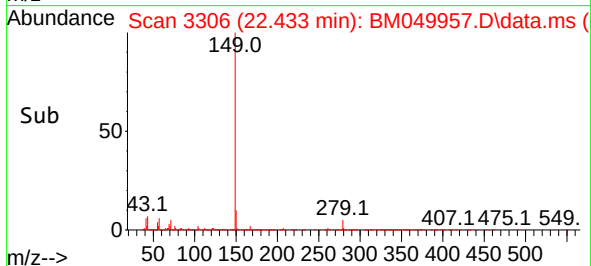
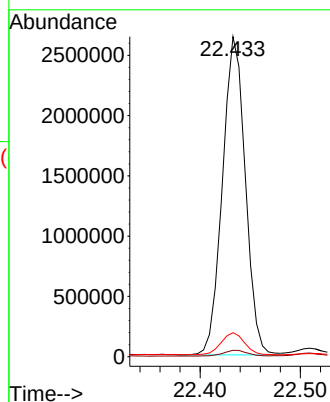
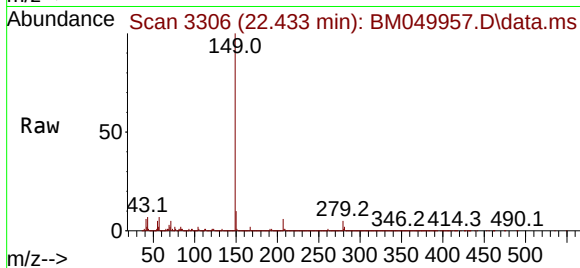
ClientSampleId :

OILY-SOIL-PILEMSD

Tgt Ion:149 Resp: 4184046

Ion Ratio Lower Upper

149	100		
167	1.9	1.3	1.9#
43	7.1	5.8	8.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3641

Delta R.T. -0.006 min

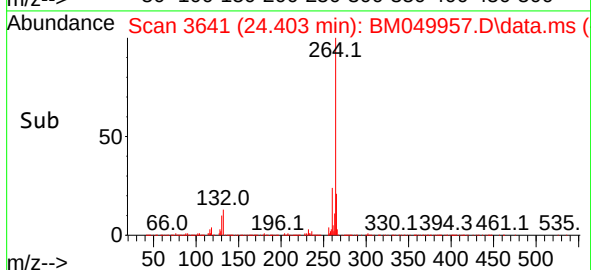
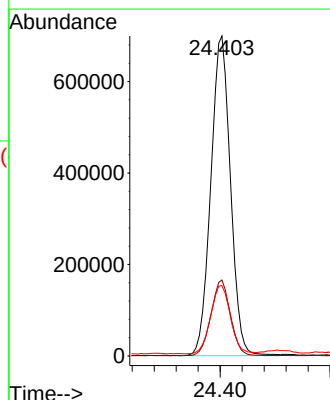
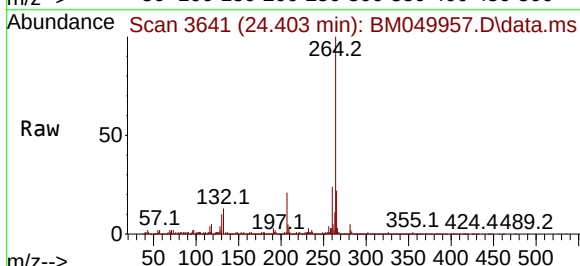
Lab File: BM049957.D

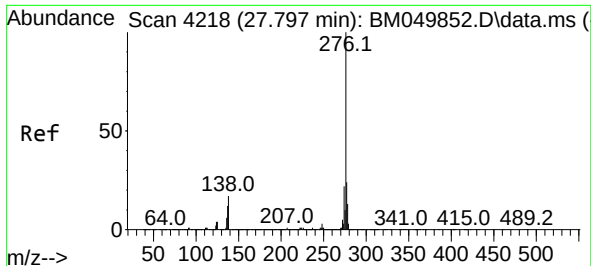
Acq: 16 Apr 2025 18:03

Tgt Ion:264 Resp: 1732464

Ion Ratio Lower Upper

264	100		
260	23.8	18.6	28.0
265	22.0	17.8	26.8

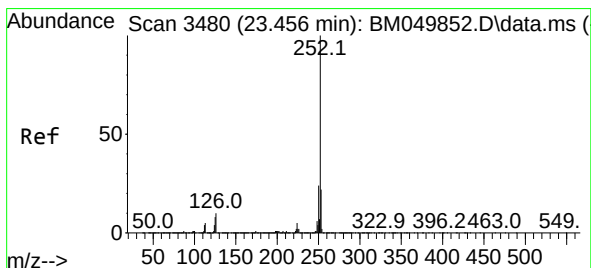
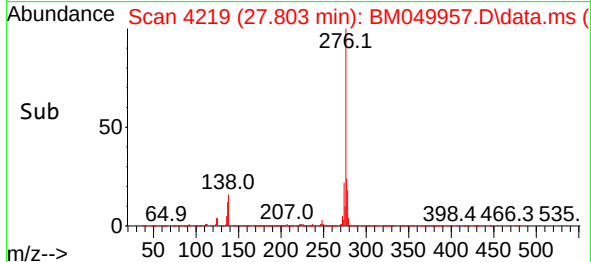
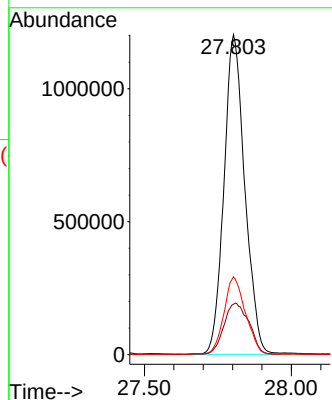
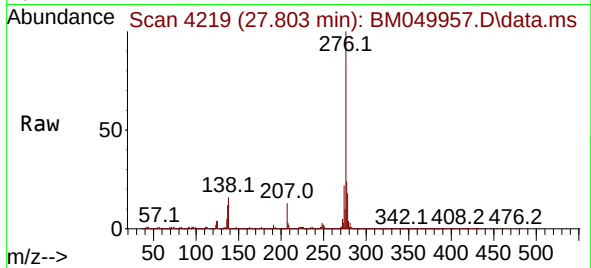




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.876 ng
RT: 27.803 min Scan# 41
Delta R.T. 0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

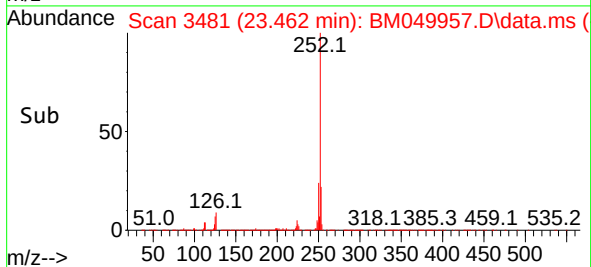
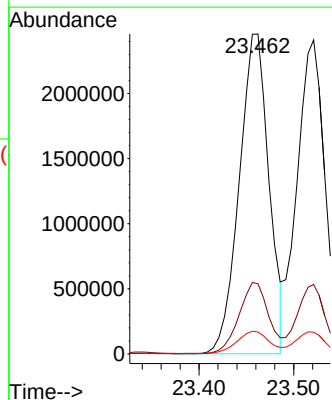
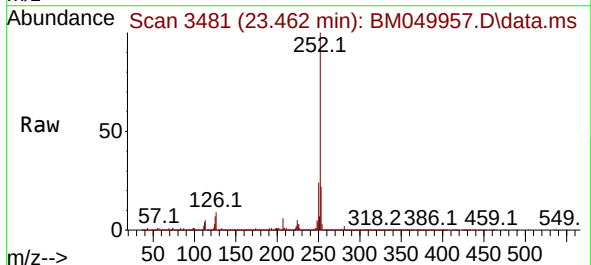
Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILEMSD

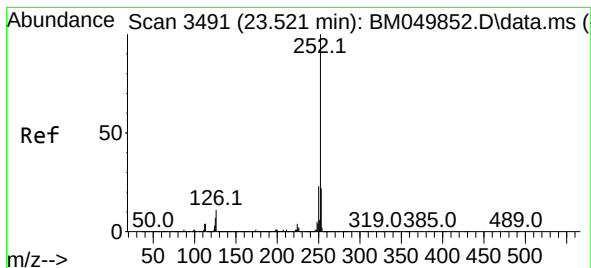
Tgt Ion:276 Resp: 5924472
Ion Ratio Lower Upper
276 100
138 19.0 16.8 25.2
277 24.7 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 48.334 ng
RT: 23.462 min Scan# 3481
Delta R.T. 0.006 min
Lab File: BM049957.D
Acq: 16 Apr 2025 18:03

Tgt Ion:252 Resp: 5347993
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 6.8 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 46.259 ng

RT: 23.521 min Scan# 3491

Delta R.T. 0.000 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMSD

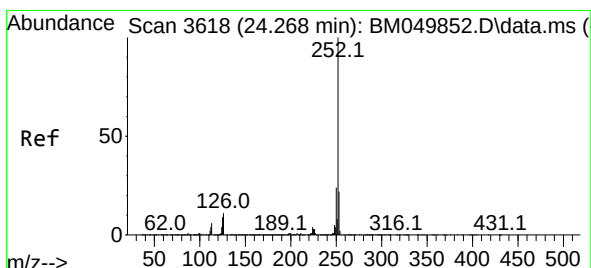
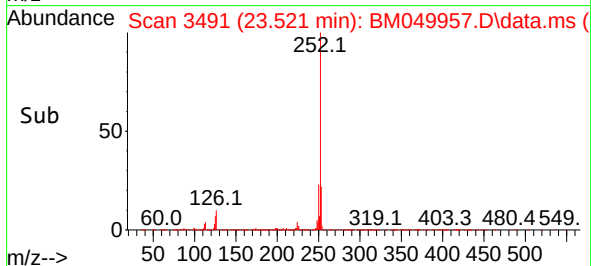
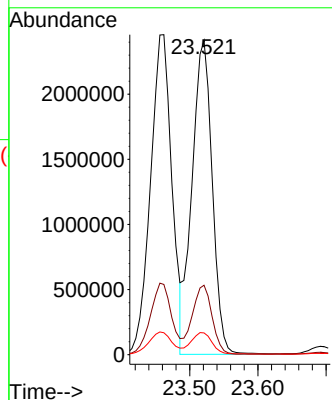
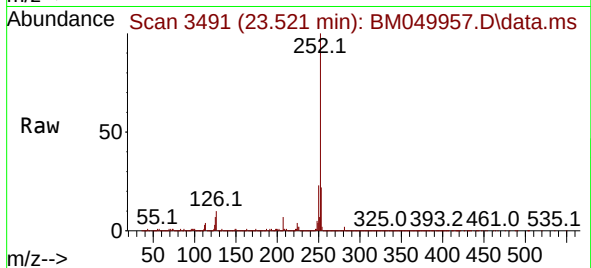
Tgt Ion:252 Resp: 4960054

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 6.9 5.8 8.8



#90

Benzo(a)pyrene

Concen: 51.482 ng

RT: 24.268 min Scan# 3618

Delta R.T. 0.000 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

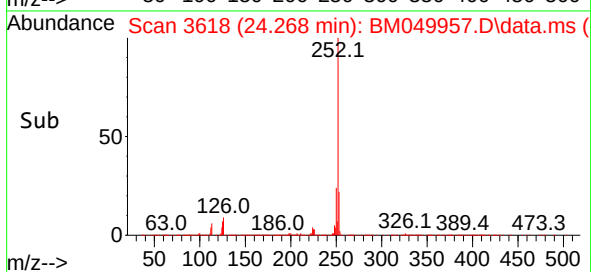
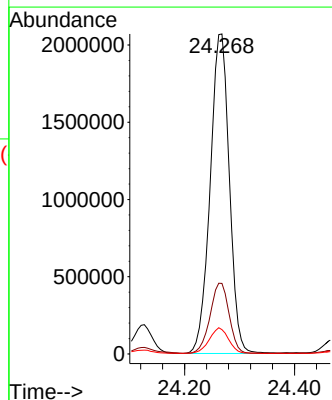
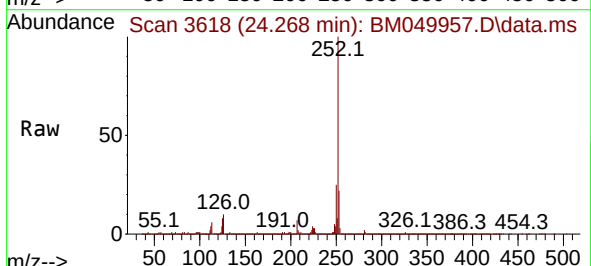
Tgt Ion:252 Resp: 5005538

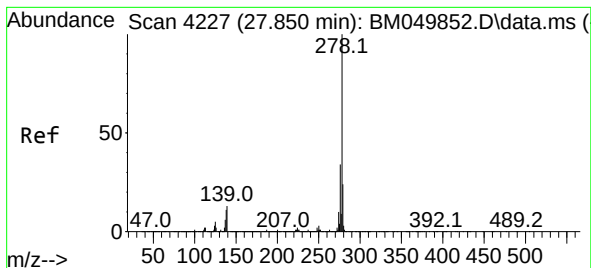
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 7.6 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 42.735 ng

RT: 27.850 min Scan# 41

Delta R.T. 0.000 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

Instrument :

BNA_M

ClientSampleId :

OILY-SOIL-PILEMSD

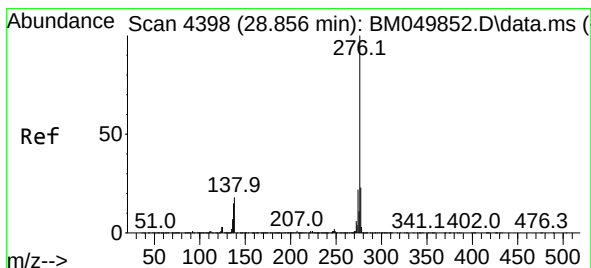
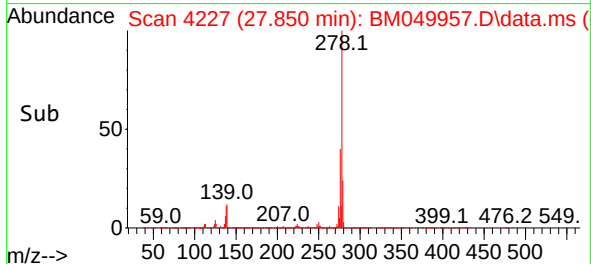
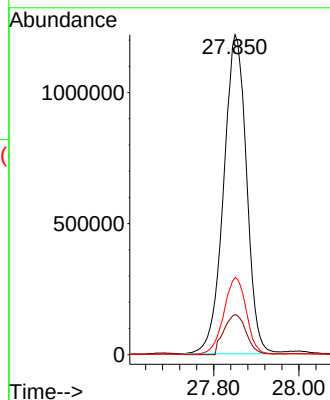
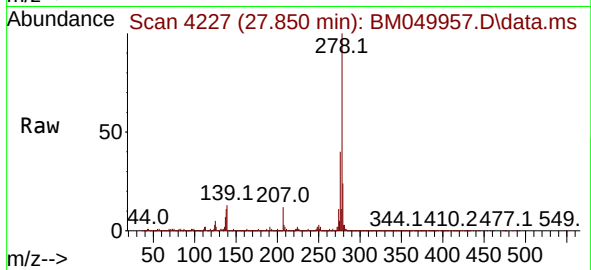
Tgt Ion:278 Resp: 4545734

Ion Ratio Lower Upper

278 100

139 12.5 10.6 15.8

279 24.1 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 43.222 ng

RT: 28.868 min Scan# 4400

Delta R.T. 0.012 min

Lab File: BM049957.D

Acq: 16 Apr 2025 18:03

Tgt Ion:276 Resp: 4698084

Ion Ratio Lower Upper

276 100

277 23.6 18.7 28.1

138 16.4 14.6 21.8

